

TENDER NUMBER: DRT 03/10/2025

The Traffic Signal Maintenance, Technology Upgrades, And Geometric Upgrades to Cater for New Installation for a period of 36 months in the Gauteng Province as and when required.



PROCUREMENT DOCUMENT

OCTOBER 2025

ISSUED BY:

HEAD OF DEPARTMENT

DEPARTMENT OF ROADS AND TRANSPORT

PRIVATE BAG X83

MARSHALLTOWN

2107

NAME OF TENDERING ENTITY.....

ADDRESS:.....

TEL. NO. Email.....

TOTAL PRICES INCLUSIVE OF VALUE ADDED TAX:

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Part T1.1 Tender Notice and Invitation to Tender

THE GAUTENG PROVINCE, DEPARTMENT OF ROADS AND TRANSPORT REQUESTS INTERESTED TENDERERS TO BID FOR THE FOLLOWING TENDER:

TENDER NO: DRT 03/10/2025. The Traffic Signal Maintenance, Technology Upgrades, And Geometric Upgrades to Cater for New Installation for a period of 36 months in the Gauteng Province as and when required.

TENDER NUMBER	SERVICE	CIDB LEVEL	COMPULSORY SITE BRIEFING	CLOSING DATE
DRT 03/10/2025	The Traffic Signal Maintenance, Technology Upgrades, And Geometric Upgrades to Cater for New Installation for a period of 36 months in the Gauteng Province as and when required.	8CE & 8EP or Higher	Venue: Main Boardroom, Department of Roads and Transport 1215 Nico Smith Street Koedoespoort Pretoria Date: 11 November 2025 Time: 10h00 am NB: Failure to attend site briefing will result in disqualification	01 December 2025 at 11H00 Tender Box Gauteng Department of Roads and Transport, Ground floor, Life Centre Building, 45 Commissioner Street, Johannesburg.

The Gauteng Department of Roads and Transport adhere to all relevant Acts including but not limited to, the Constitution of the Republic of South Africa of 1996, the Black Economic Empowerment Act No. 53 of 2003, Preferential Procurement Policy Framework Act No. 5 of 2000, Employment Equity Act No. 55 of 1998 and the Public Finance Management Act No 1 of 1999.

Gauteng Department of Roads and Transport will apply the 90/10 preference point system in terms of Regulation 5 of the Preferential Procurement Regulations, 2022 (as published in the Government Gazette No. 47452 on 04 November 2022).

COMPULSORY/MANDATORY TENDER REQUIREMENTS:

Failure to submit the following required documents will render the bidders tender disqualified:

- Proof of valid active CIDB grading of 8CE & 8EP or Higher/or applicable registration number with CIDB (Construction Industry Development Board). A valid CIDB registration certificate for the joint venture / consortiums (combined CIDB grading certificate) or Valid individual CIDB registration certificates and CRS numbers for each partner must be submitted.
- The Construction Manager must be registered with ECSA as an active Professional Civil Engineer/Professional Civil Engineering Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents. **(NB: Candidates not accepted)**
- The Traffic Engineer be registered with ECSA as an active Professional Civil Engineer/Professional Civil Engineering Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents. **(NB: Candidates not accepted)**
- The Electrical Engineer must be registered with ECSA as an active Professional Electrical Engineer/Professional Electrical Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents. **(NB: Candidates not accepted)**
- Bidders must attend the compulsory site briefing as indicated above. The attendance register must be completed and will be used as proof of your attendance.

- Complete, sign and submit all compulsory SBD documents, i.e. SBD 4 and SBD 6.1
- In the case of joint ventures and consortia, a detailed signed agreement must be attached as part of the submitted tender document, which must be signed by all parties to the agreement detailing the percentage (%) split between the parties and portion/s of work to be shared.

NB: Bidders who are listed on the National Treasury's register of defaulters and restricted suppliers will be automatically disqualified.

NB: In case of Joint venture bidders must complete and submit separate SBD4 forms

NB: No CVs are to be submitted by bidders for key personnel. (Fully complete B1 forms for all key personnel)

OTHER KEY RETURNABLES:

- Tax compliance status pin. A consortium or joint ventures (including unincorporated consortia) must submit Tax status pin of each partner in the consortium or joint venture (including unincorporated consortia).
- Registration Documents of the business with the Companies and Intellectual Property Commission (CIPC)
- Certified **ID copies** of company members and shareholders.
- CSD summary report

FUNCTIONALITY EVALUATION:

Functionality will be scored out of 100 points and the minimum threshold to qualify is 80 points. Bidders who fail to meet the minimum threshold will not be considered for further evaluation. The functionality evaluation criteria are outlined in the table below:

Functionality: Phase 1 (60 points)

KEY PERSONNEL (Max 25 points) Bidders MUST complete (B1 forms) attached in the bid documents for key personnel that will be involved with the project and MUST separately and clearly indicate the personnel's' traffic signal design and construction experience, project description, duration and contactable references. NB: (Failure to complete B1 forms will result in the bidder getting zero points)	COMPANY EXPERIENCE: Traffic Signals, Electrical Reticulation Network Design and Construction (Max 20 points) (Failure to attach required completion certificates will result in the bidder getting zero points) NB: completion certificates must be signed by all relevant parties (Certificate that is not signed by all relevant parties will result in the bidder forfeiting points)	PROJECT PLAN and QUALITY CONTROL PLAN (Max 10 points) (Failure to attach relevant documents which clearly indicate the requirements listed below will result in the bidder getting zero points)	BANK RATING (Max 5 points) (Failure to attach proof of bank rating from the relevant bank will result in the bidder getting zero points) and NB: the date of certification must be less than 12 months from the date of the bid closure
CONSTRUCTION MANAGER: registered with ECSA as an active (Pr Eng/Tech). A Construction Manager with traffic signal design and construction experience, will be assessed as follows: (Max 5 points) Experience: •5 years or more experience traffic			

signal design and construction (5 points) •3 to less than 5 years' experience in traffic signal design and construction (3 points) •1 to less than 3 years' experience in traffic signal design and construction (2 points) •Less than 1 year experience in traffic signal design and construction (0 points) TRAFFIC ENGINEER: registered with ECSA as an active (Pr Eng/Tech). A Civil Engineer with Traffic Engineering and Traffic Signal design and operation experience, will be assessed as follows: (Max 5 points) Experience: •5 years or more experience traffic signal design and construction (5 points) •3 to less than 5 years' experience in traffic signal design and construction (3 points) •1 to less than 3 years' experience in traffic signal design and construction (2 points) •Less than 1 year experience in traffic signal design and construction (0 points) ELECTRICAL ENGINEER: registered with ECSA as an active (PrEng/Tech). An Electrical Engineer with experience in electrical and electronic design, installation, operations and maintenance of traffic signal, will be assessed as follows: (Max 5 points) Experience: •5 years or more experience in electrical and electronic design, installation, operations and maintenance of traffic signal (5 points) •3 to less than 5 years' experience in electrical and electronic design, installation, operations and maintenance of traffic signal (3 points) •1 to less than 3 years' experience in electrical and electronic design, installation, operations and maintenance of traffic signal (2 points) •Less than 1 year experience in electrical and electronic design, installation, operations and maintenance of traffic signal (0 points) 2x Qualified Electricians: trade test certificate and single-phase wireman's license.			
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Electricians with traffic signal wiring and cabling experience will be assessed as follows: (Max 5 points) Experience: •5 years or more experience in traffic signal wiring and cabling (5 points) •3 to less than 5 years' experience in traffic signal wiring and cabling (3 points) •1 to less than 3 years' experience in traffic signal wiring and cabling (2 points) •Less than 1 year experience in traffic signal wiring and cabling (0 points) SAFETY OFFICER: with a relevant qualification, a qualified Safety Officer with road construction experience, will be assessed as follows: (Attach certified qualification/ certification) (5 points) Experience: •3 years or more experience in road construction (5 points) •1 to less than 3 years' experience in traffic signal design and construction (3 points) •Less than 1 year experience in traffic signal design and construction (0 points)			
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Functionality: Phase 2 (40 points)

NEW TECHNOLOGY OPERATIONAL CAPABILITY SPECIFICATION REQUIREMENTS	
MAXIMUM POINTS (40)	
TRAFFIC SIGNAL CONTROLLER EMBEDDED COMMUNICATION CAPABILITIES (GPS AND/OR SIM/SLM/ AND/OR EQUIVALENT)	POSITIVE TEST RESULTS AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (10 POINTS) NO TESTING AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (0 POINTS)
SMART CONTROLLER MUST BE CONTINUOUSLY TRACEABLE AND TRACKABLE.	POSITIVE TEST RESULTS AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (10 POINTS) NO TESTING AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (0 POINTS)
GPDRT SHALL AUTHORISE ALL GADGETS AND EQUIPMENT/DEVICES DURING AND AFTER INSTALLATION AND/OR WHEN A MODULE IS REPLACED NO MODULE MUST BE USEABLE AND WORK ANYWHERE ELSE.	POSITIVE TEST RESULTS AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (10 POINTS) NO TESTING AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (0 POINTS)
EMBEDDED POLE AND EQUIPMENT TEMPERING DETECTION – ALARM AND ALERT.	POSITIVE TEST RESULTS AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (5 POINTS) NO TESTING AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (0 POINTS)
RMS/TRAFFIC SIGNAL CONTROLLER MUST MONITOR AND REPORT THE INCOMING AND OUTGOING POWER OF PRIMARY AND SECONDARY POWER SUPPLIES.	POSITIVE TEST RESULTS AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (5 POINTS) NO TESTING AND OPERATION DATA SHEET WITH SANS/SABS/INTERNATIONAL EQUIVALENT ATTACHED (0 POINTS)

PRICE AND PREFERENCE POINT SYSTEM EVALUATION:

In terms of Preferential Procurement Regulation of 2022, the department will be applying the 90/10 preference point system, which is applicable to bids with a Rand value above R50 million (all applicable taxes included), shall be applied, where a maximum of 90 points will be allocated for price and maximum of 10 will be allocated for the Specific Goals specified in this tender.

AREA POINTS	POINTS (90/10)
Price	90
Preference Point – Specific Goals	10
Total points for Price and Preference	100

Points	
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Specific Goals Requirements:

To qualify for Specific Goal points, Bidders must provide evidence of the below requirements per the specified Historically Disadvantaged Individuals (HDI) categories. Bidders must submit verifiable documentation as proof to claim the Preference Points.

Bidders who fail to submit valid B-BBEE credentials will forfeit their preference points.

SPECIFIC GOALS	PROOF OF EVIDENCE	POINTS (10)
HDI	The bidder must submit a valid B-BBEE Certificate or Sworn Affidavit with at least 51% black ownership to claim points.	1
Woman	The bidder must submit a valid B-BBEE Certificate or Sworn Affidavit with at least 51% owned by women to claim points.	3
Youth	The bidder must submit a valid B-BBEE Certificate or Sworn Affidavit with at least 51% owned by youth to claim points.	2
Disability	The bidder must submit a valid B-BBEE Certificate or Sworn Affidavit with at least 51% owned by people with a disability to claim points.	2
Locality	The bidder must submit a copy of a municipal rates & taxes invoice or statement not older than three (3) months in the name of the Bidder or proof of lease agreement in the name of the Lessee signed by both parties.	2

Guidance on valid B-BBEE Certificates and/or valid Sworn Affidavits to substantiate preference points claims.

- Valid B-BBEE Certificate issued by a SANAS accredited agency.
- Any Consortium or JV must submit a valid consolidated B-BBEE Certificate issued by a SANAS accredited agency. No sworn affidavit will be accepted for a Consortium or JV.
- The Department is requesting the B-BBEE credentials in order to validate and evaluate the points claimed by the Bidder based on the Specific Goals outlined in this tender document and the SBD 6.1

NB: The submission of a fraudulent B-BBEE certificate will result in the bidder being disqualified and criminal proceedings being instituted against the bidder. The bidder, the shareholders and / or directors will further be restricted from doing business with any organ of the state for a maximum period of 10 years.

NB: Bidders who are listed on the National Treasury's register of defaulters and restricted suppliers will be automatically disqualified.

Bidders should note the following:

- Functionality will be scored out of 100 points.
- Gauteng Department of Roads and Transport reserves the right to appoint more than one service provider on this project as and when required.
- The Department will conduct a detailed risk assessment.
- Bidders are required to offer indicative price and rates based on a 3 Lane x 4-way approach, 3-Lane grouping with full control intersection possibilities. The offer must include full description and pricing of Advanced Physical

Protection Technology, Indication of Compromise Technology, Innovative Smart Material Use Technology and Uninterruptible Power Supply Technology.

- Tender offers must be inclusive of all applicable taxes, e.g. VAT etc.
- Where the proposed prices of critical materials to be supplied to the Department are considerably less than the expected market price or rates, the Department reserves the right to verify the proposed prices by requesting quotations from the supplier(s) cited in the compilation of the bid.
- Potential suppliers must note that in terms of Departmental policy, the Department reserves the right to cancel a contract and blacklist any supplier for a period of at least 12 months if the supplier fails to adequately perform in terms of the awarded contract.
- The bid validity period is 120 days (excluding public holidays) However, the Department reserves the right to request all bidders to extend such validity period should the need arise.
- The successful bidder will be required to enter into a formal contract with the Department. Such contract will be governed in terms of the General Conditions of Contract dated 2015.
- The Department will not compensate the bidder for any costs incurred in the preparation and submission of a bid offer, including the costs of any testing necessary to demonstrate that aspect of the offer complies with requirements.
- Tenderers who are listed in the National Treasury's register of defaulters and restricted suppliers will be disqualified.
- After appointment, contractors to submit a 10% guarantee of the awarded contract amount within 14 days after appointment on the format given in the tender document.

Please Note:

1. Amounts written in words take precedence over amounts in figures, in case of any discrepancy.
2. Bidders are required to sign a bids submission register which will be handled by the security officer.

Correspondence

- Closing date for enquires: 20 November 2025
- List of bidders will be published after 7 days of the closing of tender.
- Bidders must regularly check, Gauteng e-tender portal / National Treasury e-tender portal (www.e-tenders.gov.za)

OBTAINING TENDER DOCUMENTS

Prospective tenderers can download and print their own version of the tender document (free of charge) by accessing the E-Tender Publication Portal website (www.etenders.gov.za). Tenderers are advised to ensure that all tender documents are properly bound upon submission on the closing date and time. Documents will be available on the E-tenders publication portal from **31 October 2025**.

Bid Submission

Electronic submissions of Tenders will **NOT** be accepted.

Telegraphic, telephone, telex, facsimile, emails of tenders and late tenders will **NOT** be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of bids are stated in the bid documents.

The Department reserves the right to cancel **OR** not award this tender to any party.

Part T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement (June 2009). (Not included, see www.cidb.org.za).

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 Standard Conditions of Tender to which it mainly applies.

Clause number	Tender Data
F.1.1	The employer is the Department of Roads and Transport, Chief Directorate Design and Traffic Engineering Services of the Gauteng Provincial Government, Life Centre Building, 45 Commissioner Street.

Clause number	Tender Data
F.1.2	The Tender Documents issued by the employer comprise the following documents: THE TENDER Part T1: Tendering procedures T1.1 - Tender notice and invitation to tender T1.2 - Tender data Part T2: Returnable documents T2.1 - List of returnable documents T2.2 - Returnable schedules THE CONTRACT Part C1: Agreements and Contract data C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Other Contract Forms Part C2: Pricing data C2.1 - Pricing instructions C2.2 - Bill of Quantities Part C3: Scope of work C3 - Scope of work
	Part T1 : Tendering Procedures DRT 03/10/2025 T1.12

Clause number	Tender Data
F.2.1	Only tenders who are registered with the Construction Industry Development Board (CIDB) with a contractor grading designation of 8CE and 8EP or higher, are eligible to tender.
F.2.7	The arrangements for a compulsory clarification meeting are: Venue: Main Boardroom, 1215 Nico Smith (<i>previously Michael Brink</i>) Street, Koedoespoort, Pretoria Date: 11 November 2025 starting at 10h00am. Tenderers should note that only competent persons are to attend the clarification meeting.
F.2.12	No alternative tenders will be considered.
F.2.13.1	Tenderers are to submit one tender only, either as a single tendering entity or as a member of a Joint Venture.
F2.13.3	Each tender offer communicated on paper shall be submitted as original, plus 0 copies.
F.2.13.4	Submit only the signed original tender
F.2.13.5 F.2.15.1	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Life Centre Building, 45 Commissioner Street. Identification details: DRT 03/10/2025 TRAFFIC SIGNAL MAINTENANCE, AND GEOMETRIC UPGRADES TO CATER FOR NEW INSTALLATION IN GAUTENG PROVINCE AS AND WHEN REQUIRED. and the closing date and time of the tender.
F2.13.6	A two-envelope procedure will not be followed.
F.2.15 F.2.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. No telegraphic, telephonic, telex, facsimile or electronic tender offers will be accepted.
F.2.16	The tender offer validity period is 120 days.

Clause number	Tender Data
F.2.20	The tenderer is required to submit with his tender a letter of intent from an approved insurer undertaking to provide the Form of Guarantee to the format included in Part T2.2 of this procurement document.
F.2.23	COMPULSORY/MANDATORY TENDER REQUIREMENTS: Failure to submit the following required documents will render the bidders tender disqualified: • Proof of valid active CIDB grading of 8CE & 8EP or Higher/or applicable registration number with CIDB (Construction Industry Development Board). A valid CIDB registration certificate for the joint venture / consortiums (combined CIDB grading certificate) or Valid individual CIDB registration certificates and CRS numbers for each partner must be submitted. • The Construction Manager must be registered with ECSA as an active Professional Civil Engineer/Professional Civil Engineering Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents (NB: Candidates not accepted) • The Traffic Engineer be registered with ECSA as an active Professional Civil Engineer/Professional Civil Engineering Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents. (NB: Candidates not accepted) • The Electrical Engineer must be registered with ECSA as an active Professional Electrical Engineer/Professional Electrical Technologist (PrEng/Tech). The prospective bidders must provide proof of registration with the mentioned professional bodies, or the applicable registration number as part of the bidder's tender documents. (NB: Candidates not accepted) • Bidders must attend the compulsory site briefing as indicated above. The attendance register must be completed and will be used as proof of your attendance. • Complete, sign and submit all compulsory SBD documents, i.e. SBD 4 and SBD 6.1 • In the case of joint ventures and consortia, a detailed signed agreement must be attached as part of the submitted tender document, which must be signed by all parties to the agreement detailing the percentage (%) split between the parties and portion/s of work to be shared.
F.2.24	• Functionality will be scored out of 100 points. • Gauteng Department of Roads and Transport reserves the right to appoint more than one service provider on this project as and when required. • The Department will conduct a detailed risk assessment. • Bidders are required to offer indicative price and rates based on a 3 Lane x 4-way approach, 3-Lane grouping with full control intersection possibilities. The offer must include full description and pricing of Advanced Physical Protection Technology, Indication Of Compromise Technology, Innovative Smart

Clause number	Tender Data
	Material Use Technology and Uninterruptible Power Supply Technology. • Tender offers must be inclusive of all applicable taxes, e.g. VAT etc. • Where the proposed prices of critical materials to be supplied to the Department are considerably less than the expected market price or rates, the Department reserves the right to verify the proposed prices by requesting quotations from the supplier(s) cited in the compilation of the bid. • Potential suppliers must note that in terms of Departmental policy, the Department reserves the right to cancel a contract and blacklist any supplier for a period of at least 12 months if the supplier fails to adequately perform in terms of the awarded contract. • The bid validity period is 120 days (excluding public holidays) However, the Department reserves the right to request all bidders to extend such validity period should the need arise. • The successful bidder will be required to enter into a formal contract with the Department. Such contract will be governed in terms of the General Conditions of Contract dated 2015. • The Department will not compensate the bidder for any costs incurred in the preparation and submission of a bid offer, including the costs of any testing necessary to demonstrate that aspect of the offer complies with requirements. • Tenderers who are listed in the National Treasury's register of defaulters and restricted suppliers will be disqualified. • After appointment, contractors to submit a 10% guarantee of the awarded contract amount within 14 days after appointment on the format given in the tender document.
F.3.11.3	The functionality criteria in respect of traffic signals are as follows: Functionality will be scored out of 100 points and the minimum threshold to qualify is 80 points. Bidders who fail to meet the minimum threshold will not be considered for further evaluation. The functionality evaluation criteria are outlined in the table below: Functionality: Phase 1 (60 points) Phase 2 (40 points)

F.3.13.1	Tender offers will only be accepted if: a) The tenderer submits a valid Tax Clearance Certificate in the name of the tendering entity as issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations; b) <u>The proposed Guarantor must complete the form of intent to provide a Guarantee to the tenderer on the format included in Part T2.2 of this procurement document</u> c) The tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation. d) The tenderer or any of its directors/shareholders 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; e) The tenderer has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; f) Has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract; g) The tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; h) The employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014 (as amended), issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely.
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Part T2.1 List of Returnable Documents

1 Documents required for tender administrative purposes

- Compulsory Enterprise Questionnaire
- Record of Addenda to Tender Documents
- Proposed Amendments and Qualifications
- Certificate of Authority
- Schedule of recently completed and current contracts
- Schedule of plant and equipment
- Occupational Health and Safety Act: Statement by Tendering Entity
- Experience of Key Staff and number of Staff employed
- Quality management questionnaire
- Tenderer's Bank Details

2. Returnable Schedules required for tender evaluation purposes

- Tax Clearance Certificate for Tenders
- Form of Intent to Provide a Form of Guarantee
- Registration with Construction Industry Development Board
- Certificate of Insurance Cover
- SBD 4: Declaration of Interest
- Tenderer's Litigation History

3 Returnable Schedules that will be used for tender evaluation purposes and be incorporated into the contract

- SBD 6.1: Preference Points Claim Form in Terms of the Preferential Procurement Regulation 2022
- SBD 4: Declaration of interest

4 C1.1 Offer portion of Form of Offer and Acceptance

5 C1.2 Contract Data (C1.2.3)

6 C2.2 Bill of quantities

Compulsory Enterprise Questionnaire

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

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:
.

Section 3: CIDB registration number, if any:
.

Section 4: Particulars of sole proprietors and partners in partnerships (attach certified ID Copies)

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach 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: Record in the service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution |
| ☐ a member of any provincial legislature | within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of the National Assembly or the National Council of Province | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the board of directors of any municipal entity | ☐ an employee of Parliament or a provincial legislature |
| ☐ an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, Partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution |
| ☐ a member of any provincial legislature | within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of the National Assembly or the National Council of Province | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the board of directors of any municipal entity | ☐ an employee of Parliament or a provincial legislature |
| ☐ an official of any municipality or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

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

i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my /

our tax matters are in order;

- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- 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
-----	-----
<i>Enterprise</i>	
<i>name</i>	

Record of Addenda to tender documents

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

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

Attach additional pages if more space is required.

Signed

Date

Name

Position

Enterprise

name

Certificate of Authority

This Returnable Schedule is to be completed by the tendering entity.

I/We, the undersigned, are submitting this tender offer and hereby authorise Mr/Ms
....., authorised signatory of the company
....., acting in the capacity of, to sign all documents in connection with the
tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
CIDB registration number: 		Signature. Name Designation
CIDB registration number: 		Signature..... Name..... Designation
CIDB registration number: 		Signature..... Name

		Designation
--	--	-------------

Schedule of Proposed Subcontractors

T2.1.C. SCHEDULE OF PROPOSED SUBCONTRACTORS

We notify you that it is our intention to employ the following subcontractors for work in this contract. If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the name of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list, shall be binding between us.

Name and address of proposed Subcontractor		Company Registration No & CIDB Classification	Description of Work to be executed by Subcontractor
1.			
2.			
3.			

4.			
5.			

Schedule of recently completed and current contracts

List not more than seven contracts completed in the last five years

Contract title:		Employer (name) Place (town)	Reference person		Contract Amount (R million)	Contract Period (months)	Date of Completion*
			Name	Tel			
1							
2							
3							
4							
5							
6							
7							

*Completed means that a certificate has been issued in terms of a contract by the employer, signifying that the whole of the construction works have reached a state of readiness for occupation or use for the purposes intended, although some minor work may be outstanding.

List all current contracts not completed at the time

Project:	Employer (name) Place (town)	Reference person		Contract Amount (R million)	Contract Period (months)	Date of commencement	Date of expected Completion*
		Name	Tel				
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

*Date when defects liability period commenced

Signed

Date

Name

Position

Enterprise
name

Equipment Schedule

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

- (a) Details of major equipment that is owned by and immediately available for this contract. **(Attach vehicle registration documents as proof of ownership)**

Description, size, capacity, etc.	Quantity

Attach additional pages if more space is required.

- (b) Details of major equipment that will be hired, or acquired for this contract if my / our tender is acceptable.
(Attach a letter of intent from Rental Companies)

Description, size, capacity, etc.	Quantity

Attach additional pages if more space is required.

Signed	_____	Date	_____
Name	_____	Position	_____
<i>Tenderer</i>	_____		

Occupational Health and Safety Act: Statement by Tendering Entity

I, duly authorised

to represent (company name)

in my capacity as hereby
confirm that I accept full and exclusive responsibility for compliance by myself and all persons who perform work for me
with the provisions of the Occupational Health and Safety Act, No. 85 of 1993 (as amended) and all regulations
promulgated from time to time, whilst performing work on

.....

I confirm that all employees who perform work on the site shall be properly trained to do this in a manner which is safe
and without risk to health and safety to themselves and others in the vicinity and undertake to have our activities
adequately supervised in the interest of health and safety.

Signed	_____	Date	_____
Name	_____	Position	_____
Tenderer	_____		

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Tenderer's Bank Details

Notes to tenderer:

1. The tenderer shall attach to this form a letter from the bank at which he declares he conducts his account. The contents of the bank's letter must state the credit rating that it, in addition to the information required below, accords to the tenderer for the business envisaged by this tender as well as the working capital at the disposal of the tenderer. Failure to provide the required letter with the tender submission may render the tenderer's offer unresponsive in terms of tender condition F.3.8.
2. The tenderer's banking details as they appear below shall be completed.
3. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

The tenderer shall provide the following:

- i) Name of Account Holder:
- ii) Account Number:
- iii) Bank name:
- iv) Branch Number:
- v) Bank and branch contact details
.....
- vi) Bank rating:



Bank Stamp

SIGNED BY TENDERER:

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Schedule of Tenderer's Litigation History

Note to tenderer:

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, and the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

Employer	Other litigating party	Dispute	Award value	Date resolved

SIGNED BY TENDERER:

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Tax compliance status for Tenders

The tenderer is to affix to this page:

Bidders must submit their SARS TCS PIN number and CSD Supplier number with their bid in order that the bidder's Tax Compliance Status can be verified. Should a bidder not be Tax Compliant at the time of verification, the bidder will be notified in writing of their non-compliant tax status and be requested to remediate their tax status within seven (7) working days.

Failure to provide written proof of tax status remediation, within seven (7) working days of notification, will result in the rejection of the bid submitted by the Bidder.

Note:

This tax compliance status must still be valid on the award of this tender.

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Form of Intent to Provide a Form of Guarantee

- 1 With reference to the tender of
..... (hereinafter referred to as the “**TENDERER**” for the project
.....(hereinafter referred to as
the “**CONTRACT**” for the DEPARTMENT OF ROADS AND TRANSPORT of the Gauteng
Provincial Government, (hereinafter referred to as the “**EMPLOYER**” for the tender dated
..... for the offered total of prices of
(R.....)
..... (in
words)
- 2 I/We in my/our capacity as
..... and hereby
representing
..... (hereinafter referred to as the “**GUARANTOR**” advice that the “**GUARANTOR**”
undertakes to provide a **Form of Guarantee** to the **EMPLOYER** to the Employer’s format included
in Part C1.3 of this document within five (5) working days of the written acceptance of the
contractor’s tender offer.

Thus done and signed at on

.....
Name of signatory

.....
Capacity of authorised signatory

.....
As witness

.....
*for and on behalf of the **Guarantor**
who by signature hereof warrants
authorisation hereto*

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Letter of intent or Certificate of Insurance Cover

Note to tenderer:

In the event of the tenderer being a joint venture/consortium, the details of the individual members must also be provided.

The tenderer shall provide the following details of this insurance cover:

- i) Name of Tenderer:
- ii) Period of Validity:
- iii) Value of Insurance:
 - Insurance for Works and Contractor's Equipment
Company:
Value:
 - Insurance for Contractor's Personnel
Company:
Value:
 - General public liability
Company:
Value:
 - SASRIA
Company:
Value:

SIGNED BY TENDERER:



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FOR NEW INSTALLATION IN THE GAUTENG PROVINCE**

SBD1

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:		CLOSING DATE:		CLOSING TIME:	
DESCRIPTION					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON			CONTACT PERSON		
TELEPHONE NUMBER			TELEPHONE NUMBER		
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS			E-MAIL ADDRESS		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		



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E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
2.1 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	2.2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO					
DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO					
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO					
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO					
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO					
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					



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PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

- 2.3 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.4 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.5 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.6 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.7 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.8 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.9 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

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

DATE:

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SBD 4 BIDDER'S

DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. BIDDER'S DECLARATION

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

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

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

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....

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

2.3.1 If so, furnish particulars:

.....

3 DECLARATION

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or

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

arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

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

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

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

..... Signature
Date

..... Position
Name of bidder

DRT 03/10/2025 TRAFFIC SIGNAL MAINTENANCE, AND GEOMETRIC UPGRADES TO CATER FOR NEW INSTALLATION IN GAUTENG PROVINCE

Tenderer's B-BBEE Verification Certificate

Notes to tenderer:

Guidance on valid B-BBEE Certificates and/or valid Sworn Affidavits to substantiate preference points claims.

- Valid B-BBEE Certificate issued by a SANAS accredited agency.
- Bidders qualifying as EME/QSE can submit a valid Sworn Affidavit (DTIC) or B-BBEE Certificate issued by the Companies & Intellectual Property Commission (CIPC) on behalf of the DTIC, which serves as an Affidavit.
- Any Consortium or JV must submit a valid consolidated B-BBEE Certificate issued by a SANAS accredited agency. No sworn affidavit will be accepted for a Consortium or JV.
- The Department is requesting the B-BBEE credentials in order to validate and evaluate the points claimed by the Bidder based on the Specific Goals outlined in this tender document and the SBD 6.1.

NB: The submission of a fraudulent B-BBEE certificate will result in the bidder being disqualified and criminal proceedings being instituted against the bidder. The bidder, the shareholders and / or directors will further be restricted from doing business with any organ of the state for a maximum period of 10 years.

**DRT 03/10/2025 TRAFFIC SIGNAL MAINTENANCE, AND GEOMETRIC UPGRADES TO CATER FOR
NEW INSTALLATION IN GAUTENG PROVINCE**

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

- a) 90/10 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.
- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
- (a) Price; and
 - (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender

to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

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

2. DEFINITIONS

- (a) **“tender”**
means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 90/10 PREFERENCE POINT SYSTEMS

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

90/10

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

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

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

3.2.1. POINTS AWARDED FOR PRICE

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

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

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

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

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

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 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
HDI	1	
Woman	3	
Youth	2	
Disability	2	
Locality	2	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.2. Name of company/firm.....

4.3. Company registration number:

4.4. 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]

4.5. 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, firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....

SIGNATURE(S) OF TENDERER(S)

DATE:

ADDRESS:

.....

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Part C1 Agreements and Contract Data

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C1.1 FORMS OF OFFER AND ACCEPTANCE

C1.1.1 FORM OF OFFER

Head of Department
Department of Roads and Transport
Private Bag X83
Marshalltown
2107

Sir,

DRT 03/10/2025 TRAFFIC SIGNAL MAINTENANCE, AND GEOMETRIC UPGRADES TO CATER FOR NEW INSTALLATION IN GAUTENG PROVINCE

I/we, by signing this part of the forms of offer and acceptance, confirm that I/we practise the principles of corporate governance that abhors corruption and fraud and that I/we have examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules and am/are duly authorised to represent and commit the tenderer to the contractual obligations contained therein.

I/we further confirm that by submitting this offer the tenderer accepts the conditions of tender and 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 tender and the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES (INCLUSIVE OF VALUE ADDED TAX) IS;

.....(in words)

(Rin figure

You may accept this offer by signing and returning to the tenderer one copy of the Form of acceptance before the end of the period of validity stated in the tender data, (or at the end of any agreed extension thereof), whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Notwithstanding anything contained in a covering letter to this tender, I/we declare this offer is submitted entirely without variations or deviations other than those stipulated in the form for Proposed Amendments and Qualifications by the tenderer and that it is made free from any fraud, corruption and misrepresentation.

Yours faithfully

SIGNATURE:..... DATE:

NAME (IN CAPITALS):

CAPACITY:

Date and minute reference of Board resolution if different from returnable document: Certificate of Authority

Certificate of Authority for signature

NAME AND ADDRESS OF ORGANISATION:

.....

NAME AND SIGNATURE OF WITNESS:

SIGNATURE: DATE:

NAME (IN CAPITALS):

C1.1.2 FORM OF ACCEPTANCE

To _____

_____ *(Name of successful tenderer)*

Dear Sir,

1. **DRT 03/10/2025 TRAFFIC SIGNAL MAINTENANCE, AND GEOMETRIC UPGRADES TO CATER FOR NEW INSTALLATION IN GAUTENG PROVINCE**

2. It is our pleasure to inform you that the Department of Roads and Transport (the Employer) accepts your offer for the following: (i.e. amount including VAT but excluding CPA, and any contingent sum not in the priced schedule).

.....

.....(in words)

(Rin figures)

3. The amount due may not be the accepted price but payment shall be made in accordance with the conditions of contract identified in the contract data.

4. Acceptance shall form an agreement between us according to the terms and conditions contained in this form and in the contract that is comprised of:

Part C1: Agreements and Contract Data (including this form of acceptance),

Part C2: Pricing Data,

Part C3: Scope of the Work,

Part C4: Site Information, and

Part C5: Annexures

together with issued drawings and other documents, or parts thereof, which may be incorporated by reference into the Parts listed above.

- a) Deviations and/or variations included in your offer as well as any changes to the terms of the offer agreed by us during the process of offer and acceptance shall not be valid unless contained in the appended schedule of deviations. (*If no deviation state "There are no deviations, variations or changes to the documents."*) Addenda issued during the tender period are deemed not to be deviations to the tender documents and schedules.
- b) Within 14 calendar days of the date of this form of acceptance (including the schedule of deviations if any) you shall deliver to the Employer:
 - Performance Security (per clause 4 of the FIDIC Conditions of Contract) a proforma of which is attached for your reference. The 10% calculation shall be based on the accepted contract value as contained in this form and there shall be no deviations from the wording of the proforma guarantee.
 - Proof of insurance in terms of the information provided in the contract data and clause 18 of the FIDIC Conditions of Contract. Proof of currency of insured cover shall be provided on a monthly basis until contract completion.
 - Proof that the contract has been registered by the Department of Labour in terms of Occupational Health and Safety legislation, for which purpose the relevant forms have already been partially completed by the Employer and attached hereto.
 - The completion of the attached Employer's Form of Banking Details.

Failure to fulfil any of these obligations shall constitute a repudiation of this agreement.

5. The effective date of the contract shall be the date of this form of acceptance unless you, within seven (7) calendar days of the effective date, notify the Employer in writing of any justification why you cannot accept the contents of this agreement.
6. The commencement date of the contract shall be that on which the site hand-over meeting is held, which shall not be later than (*Usually 28 calendar days after the date of this form, or earlier if circumstances demand and as agreed between tenderer/Employer*).
7. Notwithstanding that a full, original-signed copy of the contract document containing all contract data and schedules (including that of accepted deviations) will be delivered to you, this form of acceptance constitutes the binding contract between us.

Signature Date

Name

Capacity

for the Employer

Department of Roads and Transport

Chief Directorate Maintenance

Name and

Signature of

Witness

Date

Part C2: Pricing Data

Part C2.1 Pricing Instructions

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

Rates for the use of EPWP (Expanded Public Works Programme) individual learners **must be provided** on items. With Rands (R), Non-compliance to this may lead to disqualification of the bidder.

A list of EPWP learners will be provided by the GDRT. These rates will include the quality control and final inspection of these items. The rate should also include the training that will be provided to the EPWP learners. GDRT reserves the right to supply the potential contractor/s with EPWP learners.

For more information on EPWP please visit www.epwp.gov.za.

PREAMBLE TO THE SCHEDULE OF RATES

1. GENERAL

- (a) This preamble to the Schedule of Rates provides the Bidder(s) with guidelines and requirements regarding the completion of the Schedule of Rates. The Schedule must be completed in black ink.
- (b) The Schedule of Rates shall be read with all the documents which form part of this Contract.
- (c) The following words shall have the meanings hereby assigned to them:
 - Unit: The unit of measurement for each item of work.
 - Rate: The payment per unit of work at which the Bidder(s) bids to do the work.
 - Lump sum: An amount bided for an item, the extent of which is described in the Schedule of Quantities and the Special Conditions and Specifications, but the quantity of work of which is not measured in any units.
- (d) Where Provisional Costs Sums are specified, the Contractor(s) will be required to submit a quotation from the service provider for the cost and indicate the handling fee that he will be charge on this amount.

- (e) No separate amount is allowed for establishment on site. The rates shall make provision for establishment on site at each location / installation.
- (f) The schedule of Rates makes provision for a typical traffic light intersection and includes sections for reconstruction and maintenance. The total of the summary is not the contract value - the total value of the contract will depend on the number of new traffic signal installations, the layout of each intersection, the number of intersections reconstructed and the extent of routine maintenance required by the Employer.

2. PAY ITEMS

- (a) The abbreviated descriptions of the payment items given in the Schedule of Rates are only for the purposes of identifying the items and providing specific details. Reference shall be made, inter alia, to the Special Conditions and Specifications, General Conditions of Contract and Conditions of Bid for more detailed information regarding the extent of the work entailed under each item.
- (b) The item numbers appearing in the Schedule of Rates do not correspond to the item numbers in the Special Conditions and Specifications.
- (c) The units of measurement indicated in the Schedule of Rates are metric units. The following abbreviations are used in the pay items of the Schedule of Rates:

lm	=	Linear metre
m ²	=	square metre
m ³	=	cubic metre
l	=	litre
h	=	hour
No	=	number
%	=	percent
prov sum	=	provisional sum
The Lot	=	all equipment on TS pole

3. RATES

- (a) The Bidder(s) must fill in a rate for each item in the Schedule of Rates. Items against which no rate is entered or where a word or phrase such as “included” or “provided elsewhere” has been entered, will be accepted as a rate of nil (R0,00) having been entered against such items.

Any work executed to which such a pay item applies, shall be measured under the appropriate items in the Schedule of Rates and valued at a rate of nil (R0,00). The rate of nil shall be valid irrespective of the quantities during the execution of the Contract.

- (b) The Bidder(s) shall not group together a number of items and bid one rate for such group of items.

- (c) All rates and sums of money quoted in the Schedule of Rates shall be in rands and whole cents. Fractions of a cent shall be discarded.
- (d) The rates submitted must exclude VAT
- (e) A list of EPWP learners will be provided by GDRT. These rates will include the quality control and final inspection of these items. The rate should also include the training that will be provided to the EPWP learners.
- (f) GDRT reserves the right to supply the potential contractor/s with EPWP learners.

4. METHOD OF MEASUREMENT

- (a) The work shall be measured in accordance with the methods described in the documents which form part of this Contract. Attention is directed to the provisions of the Special Conditions and Specifications regarding the measurement of quantities.

Unless otherwise stated, items are measured nett in accordance with the drawings and Project Specifications and no allowance is made for waste or work more than that specified

Schedule of deviations

1. The deviations listed below constitute agreed variations/amendments to the tender data and schedules negotiated between the tenderer and Employer based on information provided in Form A4: Schedule of Variations or deviations by tenderer or conditions imposed by the Employer in its acceptance of the offer.
2. In the event that an alternative offer is accepted in terms of F.2.12 of the Tender Data, it is a fundamental condition of acceptance that all responsibilities and concomitant liabilities arising from the alternative design pass from the Employer to the contractor.
3. Addenda issued during the tender period are deemed not to be variations to the tender.

1.

2.

3.

4 etc

C1.2 CONTRACT DATA

C1.2.1 CONDITIONS OF CONTRACT

Note to tenderer:

1. The Conditions of Contract for Construction (2017 edition) prepared by the International Federation of Consulting Engineers (FIDIC), as amended, shall apply to this contract. The amendments are those issued by FIDIC and reproduced hereafter, together with additional amendments (particular conditions of contract) as prescribed by The Department of Roads and Transport

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No amendments have been issued by FIDIC.

The following ***amendments*** are made to the Conditions of Contract for Construction, Second Edition, 2017 effective as of 1 January 2023. ***GENERAL CONDITIONS***.

Note to tenderer:

The following amendments are the Department of Roads and Transport's standard particular conditions to the general conditions and shall apply to this contract.

The following additional amendments to the FIDIC Conditions of Contract 2017 apply to this contract:

Experience of Key Staff and Number of Staff Employed

1. Civil Engineer (Construction Manager)
2. Civil Engineer (Traffic Engineering)
3. Electrical Engineer (Site Engineer)
4. Traffic Safety Officer

B1 Form Schedule of Key Staff: 1. Civil Engineer (Construction Manager)

Name	Date of Birth	Position in team	Qualification

Note1:

List only the projects completed in the last 5 years or more that the tenderer considers relevant to the specified scope of works.

Technical/Managerial Experience

Client & Project No.	Project Type	Relevant experience started	Relevant Experience ended	Value	Position Held	Contact Person and position	Contact No.

B1 Form Schedule of Key Staff: Civil Engineer (Traffic Engineer) / Managerial Record

NAME	DATE OF BIRTH	POSITION IN TEAM	QUALIFICATION

Note1:

List only the projects completed in the last 5 years or more that the tenderer considers relevant to the specified scope of works.

Technical/Managerial Experience

CLIENT & PROJECT No.	PROJECT TYPE	RELEVANT EXPERIENCE STARTED	RELEVANT EXPERIENCE ENDED	VALUE	POSITION HELD	CONTACT PERSON AND POSITION	CONTACT No.

B1 Schedule of Key Staff: Traffic Safety Officer / Managerial Record

NAME	DATE OF BIRTH	POSITION IN TEAM	QUALIFICATION

Note1:

List only the projects completed in the last 5 years or more that the tenderer considers relevant to the specified scope of works.

Technical/Managerial Experience

CLIENT & PROJECT No.	PROJECT TYPE	RELEVANT EXPERIENCE STARTED	RELEVANT EXPERIENCE ENDED	VALUE	POSITION HELD	CONTACT PERSON AND POSITION	CONTACT No.

B1 Form Schedule of Key Staff Electrical Engineer / Managerial Record

NAME	DATE OF BIRTH	POSITION IN TEAM	QUALIFICATION

Note1:

List only the projects completed in the last 5 years or more that the tenderer considers relevant to the specified scope of works.

Technical/Managerial Experience

CLIENT & PROJECT No.	PROJECT TYPE	RELEVANT EXPERIENCE STARTED	RELEVANT EXPERIENCE ENDED	VALUE	POSITION HELD	CONTACT PERSON AND POSITION	CONTACT NO.

B1 Form Schedule of Key Staff Electricians / Managerial Record

Name	Date of Birth	Position in team	Qualification

Note1:

List only the projects completed in the last 5 years or more that the tenderer considers relevant to the specified scope of works.

Technical/Managerial Experience

Client & Project No.	Project Type	Relevant experience started	Relevant Experience ended	Value	Position Held	Contact Person and position	Contact No.

Attach to this page:

Project Plan

Briefly outline: project plan indicating time allocations, milestones, cost predictions and resources related to installation of manhole grids

- Work program and sequence of activities
- Resources required and how they will be utilised

Quality Control Procedures

Briefly outline: quality control procedure plan indicating cutting procedures, site clearance procedures and measurements

- Activities ensuring quality control in line with engineering standards
- Resources required to ensure quality control and timing of utilisation of resources

Note:

1. Failure to affix such documentation as prescribed to this page shall result in this tender not being further considered for the award of the contract.
2. In the case of a joint venture, a combined CIDB registration document must be attached.

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

Rates for the use of EPWP (Expanded Public Works Programme) individual learners **must be provided** on items. With Rands (R), Non-compliance to this may lead to disqualification of the bidder.

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- (j) Where Provisional Costs Sums are specified, the Contractor(s) will be required to submit a quotation from the service provider for the cost and indicate the handling fee that he will be charge on this amount.
- (k) No separate amount is allowed for establishment on site. The rates shall make provision for establishment on site at each location / installation.
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- (j) The rates submitted must exclude VAT
- (k) A list of EPWP learners will be provided by GDRT. These rates will include the quality control and final inspection of these items. The rate should also include the training that will be provided to the EPWP learners.
- (l) GDRT reserves the right to supply the potential contractor/s with EPWP learners.

8. METHOD OF MEASUREMENT

- (b) The work shall be measured in accordance with the methods described in the documents which form part of this Contract. Attention is directed to the provisions of the Special Conditions and Specifications regarding the measurement of quantities.

Unless otherwise stated, items are measured nett in accordance with the drawings and Project Specifications and no allowance is made for waste or work more than that specified

TENDER NUMBER: DRT 03/10/2025

The Traffic Signal Maintenance, Technology Upgrades, And Geometric Upgrades to Cater for New Installation for a period of 36 months in the Gauteng Province as and when required.

C3: SCOPE OF WORKS

GENERAL REQUIREMENTS

- C3.1.1 The purpose of this Bid is to enable the GDRT to integrate all aspects of the implementation of new traffic signals, signs and markings as well as the repair, replacement and maintenance of traffic signal equipment as per the SARTSM requirements and compliance.
- C3.1.2 The advantage of one integrated contract would be that the coordination of tasks and project management as well as the communication between sub-contractor(s) and ECSA registered consultants(s)/Engineer(s)/Technologist(s) would become the responsibility of the Main Contractor(s) and not the GDRT. It will also increase available resources to meet a variable demand in workflow and improve service delivery.
- C3.1.3 Main Contractor(s) may form consortia to ensure that they have the capabilities required for this contract, however only the prime contractor(s) may be in direct contact with the GDRT.
- C3.1.4 This is an "as and when" contract for a period of 3 years from the date of award of this Bid.

C3.2 PROJECT SCOPE OF WORK

- C3.2.1 The project entails the execution of work connected with the installation of traffic signals in accordance with SARTSM, including road crossings (the excavation of trenches or underground horizontal drilling), laying of cables, casting of concrete footings, installation of traffic signal poles, threading of cables and installation of traffic signal heads and controllers. The work also includes cutting and installation of loops or core drilling and installation magnetometer for traffic signal equipment and all electrical work related to connecting the signal heads with the controller, connection of the traffic signal controller to the main electrical power supply and related electrical and maintenance work. All major electrical work might require a certificate of compliance (CoC) upon completion. The contract will also include the installation of road signs and road markings related to traffic signals.
- C3.2.2 All labour, designs for new installation, supervision, transport, specialized plant, equipment and facilities as well as minor consumables necessary to execute the Works must be supplied by the Main Contractor(s).
- C3.2.3 The work has a civil, electrical as well as electronic engineering component. Bidder(s) must ensure that all these competencies are within their company's capacity. The Bidder(s) may choose to subcontract other competencies that are not within their company's capacity. Should the Bidder(s) subcontract other competencies, the name and full details of the specific subcontractor(s) and

Consultant(s)/Engineer(s)/Technologist(s) must be provided in the necessary form attached. An agreement between the Bidder(s) and subcontractor(s) should be attached to the bid document before submission.

- C3.2.4 The location and the detail drawings for the traffic signal installations will be prepared by a professional Traffic Engineer and approved by the GDRT; it will therefore be supplied to the Contractor(s) in the form of a works order by the GDRT Project Manager for each installation.
- C3.2.5 All traffic signal material and equipment to be installed, such as cables, sleeves, poles, signal heads, visors, backing boards, lenses, traffic signal controllers, will be supplied by the Contractor(s). The Contractor(s) shall have adequate insurance cover against the loss of or damage to any material or equipment for which he has taken delivery.
- C3.2.6 The Contractor(s)'s insurance should cover any damage caused by the Contractor(s) or his staff to electrical, water, sewer, gas, telephone or any other services or to private or GDRT property.
- C3.2.7 The description of the work is merely a broad exposition of the work, and will not limit the work carried out by the Contractor(s) under this contract.
- C3.2.8 The work connected with the installation of traffic signals entail different aspects of work, with the following making up the most important elements of the contract:
- C3.2.9 The contractor will be responsible for the designs and execution of geometric works which may be required for new traffic signal installation or upgrades of existing signalised intersections.
- C3.2.10 Crossing of existing streets for the laying of ducts where ducts are not available. This includes cutting of the asphalt, excavation, laying of ducts, backfilling and compaction of material and repairing of asphalt.
- a) Obtaining information on the locality of services as well as the way leave.
 - b) Underground horizontal drilling and installation of sleeves (sleeves for this operation to be provided by contractor(s) for roads which cannot be trenched across.
 - c) Collection of material(s) and equipment from the supplier and transporting to site.
 - d) Installation of traffic signal poles, which includes the excavation for and casting of footings and the mounting of the traffic signal poles onto the footings.
 - e) Assembling and mounting of traffic signal heads.
 - f) Installation of the traffic signal controller.
 - g) Excavation of trenches for the laying of cables to the nearest electricity point of supply.
 - h) Laying of ducts in trenches and threading of cables through ducts/sleeves.
 - i) Connection of the signal to the controller.
 - j) Cutting in asphalt or concrete and installation of inductor loop detectors for vehicle-actuated signals and traffic responsive control systems, eg Split Cycle Offset Optimisation Technique (SCOOT).
 - k) Installation of magnetometer detection devices (core drilling required)

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

- l) Installation of any type of pushbutton
- m) Supply and installation of PVC conduits as alternative to cutting in concrete slabs or roads with block paved surfacing.
- n) Reconstruction of existing traffic signal controlled intersections, including the removal of signal heads, poles, controller, tracing of existing cables and conduits, etc.
- o) Where faults occur within the controller as a result of poor workmanship by the Contractor(s), the Contractor(s) will be notified to repair such faults under supervision of the GDRT Project Manager. All controllers will be maintained by the Main Contractor(s) and the Sub-Contractor(s) will not be allowed to open the controller, unless upon instruction / request from the Main Contractor after commissioning and final acceptance of the installation by the GDRT.
- p) Installation of equipment into the controller,
- q) Maintenance on traffic signals
- r) Call outs
- s) Revising of the timing cycles of existing signalised intersection as per the engineer(s) instructions and approved by the GDRT.

C3.2.11 Installation of Thermo-Plastic, Cold-Plastic or Water Based Road markings The road markings may comprise any of the following types, either separately or in combination:

- (i) Transverse marking
- (ii) Longitudinal markings
- (iii) Arrows
- (iv) Painted islands
- (v) Symbols
- (vi) Words, letters and/or numerals
- (vii) Road studs
- a) The intention for including road markings is to get road markings at signalized intersections SARTSM compliant.
- b) Main Contractor(s) will be required to supply thermo plastic, cold plastic and water based road marking products.
- c) The application of road markings entails different aspects of work, with the following making up the most important elements of the contract:
 - (i) Permanent marking of the road surface with white, yellow or road painted lines or symbols using thermo-plastic, cold-plastic or water based paint supplied by the Contractor(s).
 - (ii) The fixing of retro-reflective road studs supplied by the Contractor(s).

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

- (iii) Removal of existing, temporary or permanent road markings.
- (iv) Supply of plant, labour, supervision, transport, specialized plant, equipment and facilities as well as consumables (such as nozzles, brushes, measuring tape, chalk, stencils, paint cleaning products, etc) necessary to execute the work.
- (v) Attendance of regular site meeting with the GDRT.
- d) The description of the work is merely a broad exposition of the work, and will not limit the work carried out by the Contractor(s) under this contract.
- e) The GDRT reserves the right to extend the scope of the work at the rates supplied by the Bidder(s) in the Schedule of Quantities.
- f) All labour and equipment must be supplied by the Main Contractor(s).

C3.2.12 Installation of road signs. The erection of road and traffic signs entails different aspects of work, with the following making up the most important elements:

- (i) Erection of road and traffic signs, which includes the excavation for and backfilling for planting of poles and/or the mounting of the signs onto the poles.
- (ii) Erection of standard regulatory and warning traffic signs.
- (iii) Collection of material(s) and equipment from the supplier and transporting to site.
- (iv) Removal and/or re-erection of GDRT road and traffic signs for maintenance of the signs.
- (v) Attendance of regular site meeting with the GDRT.
- a) All labour, designs, supervision, transport, specialized plant, equipment, tools and facilities as well as minor consumables (such as bolts, nuts, rivets and concrete) necessary to execute the work must be supplied by the Main Contractor(s).

C3.2.13 The GDRT reserves the right to extend the scope of the work at the rates bidden in the Schedule of Quantities.

C3.2.14 Routine maintenance will be carried out by the Main Contractor(s), but the Sub-Contractor(s) will be required to provide hourly rates for work related routine maintenance if required by the Main Contractor(s) in emergency situations.

C3.3 EXTRA WORK/ADDITIONAL DUTIES AND DAY WORK

C3.3.1 The Bidder(s) shall take cognizance of the fact that this is an "As and When" contract and the GDRT cannot guarantee the extent of work to be carried out nor the amount of money to be used.

C3.3.2 The successful Bidder(s) will be required to undertake this work, as and when required, anywhere within the areas of supply covered by the GDRT in the Gauteng Province.

C3.3.3 The Contract will be awarded to the Bidder(s) who attains the highest points in terms of the adjudication system.

C3.3.4 An "alternative" or "additional" contractor(s) may be required to undertake work described in this bid should the primary contractor(s) not be available and/or capable to perform the work.

C3.3.5 The GDRT may issue additional duties when the need arises and that work will form part of this scope.

C3.3.6 Day works includes labour and plant that will be required to undertake work on the contract that is not individually itemised, and item of extra work. The contractor is to price each item in the schedule of quantities.

C3.4 QUANTITIES

C3.4.1 This is an "As and When" contract and no quantities are provided in the contract document. The quantities will be dependent on the budget that the GDRT has available for this type of work. Quantities for each installation will be measured and agreed between the GDRT and the Main Contractor(s).

C3.5 RATES

C3.5.1 The rates submitted must **Exclude VAT**.

C3.5.2 The Main Contractor(s) will be required to complete the Schedule of Rates in the Form of Bid section of this document.

C3.5.3 Rates for the use of EPWP (Expanded Public Works Programme) individual learners **must be provided** on items. With Rands (R), Non-compliance to this may lead to disqualification of the bidder. A list of EPWP learners will be provided by GDRT. These rates will include the quality control and final inspection of these items. The rate should also include the medical exam and training that will be provided to the EPWP learners. GDRT reserves the right to supply the potential contractor/s with EPWP learners. For more information on EPWP please visit www.epwp.gov.za.

C3.5.4 The increase after one (1) year shall not exceed CPIX, where after the prices will remain firm again for a year before a further price increase will be allowed and again it shall not exceed CPIX.

C3.6 EMPLOYER

C3.6.1 The Employer of this contract is the Gauteng Department of Roads and Transport (GDRT). The GDRT's representative will be the GDRT Project Manager and the Contractor(s) will be advised of whom will fulfil that role on each project.

C3.7 ADJUDICATION OF BID

C3.7.1 The GDRT may, before Bids are considered for acceptance, examine and take into account the following, although not limited thereto:

- a) The financial standing of Bidder(s),

- b) The Bidder(s)'s good standing with the GDRT,
- c) The Bidder(s) ability to fulfil their obligations in terms of the bid documents.
- d) The Bidder(s)'s minimum capacity should consist of at least: four (4) vehicles (ldv's/trucks), one (1) tower wagon and at least four (4) qualified electricians in their permanent employment and an engineer/Technologist ECSA registered (traffic signals/Civil). Full details and proof should be submitted with the bid document. Electricians and Engineer with a copy of their trade test certificate and certificates must be included in bid submission. If however the bidder does not currently meet this minimum capacity then proof must be submitted on how the bidder will acquire these within seven days (7) upon award of the Bid. If the other competencies are subcontracted, the full details and proof of the subcontractor (s) must also be submitted as well.
- e) Proof that the Bidder(s) and their subcontractor(s) performing electrical installations are registered with the Electrical Contracting Board of South Africa.

C3.7.2 The remaining responsive bids shall be adjudicated per the following, as applicable:

- a) The unit rates and prices,
- b) A total bid price for all items (brought to a comparative level, based on the historical quantities used on each item by GDRT on previous installations done by JRA and Local Authorities.
- c) Resources available (including qualified electricians and consultants)
- d) Any qualification to the bid,
- e) The points awarded as described in the Conditions of Bid.
- f) A site visit to the Bidder(s)'s premises may be performed by GDRT's Bids Committee (s).

C3.8 ACCEPTANCE OF BID

C3.8.1 A valid and binding contract will be concluded at the time that the GDRT send a letter of acceptance of this Bid to the Bidder(s).

C3.9 TIME FOR PLACING OF ORDERS AND RATE OF DELIVERY

C3.9.1 Orders will be issued during the period of the contract commencing on the date of award, stating details of order or project. Delivery of service must generally be made within three days, even if the delivery date extends beyond the expiry date of the Contract.

C3.9.2 The rate of delivery and date of completion of work for each order or project will be stated and agreed between the Contractor(s) and the GDRT Project Manager at the time of placing each order; if this is not stated then it should be accepted that the works should be completed within three days.

C3.10 CONTRACTOR(S) GENERAL RESPONSIBILITIES

- C3.10.1 The Main Contractor(s) shall with due care and diligence execute and complete the works and remedy any defects therein in accordance with the provisions of the Contract.
- C3.10.2 Unless otherwise stated, the Main Contractor(s) shall at his own expense supply and provide all the designs, superintendence, constructional tools, plant, machinery, labour, consumables, specialized equipment and facilities required, transport to and from the sites and anything else required for the completion and maintenance of the works.
- C3.10.3 The Contractor(s) shall collect from supplier and transport to site all materials and equipment required to carry out the work as specified. Once the Contractor(s) has taken delivery of the materials or equipment, it becomes the Contractor(s)'s responsibility and he shall be adequately insured against any loss or damage to such material(s) or equipment.
- C3.10.4 The Contractor(s) shall return all excess and recovered materials or equipment to the/her Traffic Signals Depot on completion of each project.
- C3.10.5 It will be the Contractor(s)'s responsibility to liaise with the relevant departments of the GDRT to ascertain the correct positions of stop lines, pedestrian crossings, property boundaries, kerbs and any other future services, in order that signal poles, cables and other equipment can be properly located.
- C3.10.6 If the GDRT is unable to supply the required way leaves, the contractor(s) must obtain his own information on the locality of services from the other service providers and apply for the wayleave.
- C3.10.7 The Contractor(s) must engage and give preference to local labour in the provision of services and engineering works required for the fulfilment of the Contract.
- C3.10.8 Ensure that all of the contractor(s)'s staff maintains cordial approaches, attitude and behaviour to all members of the public.
- C3.10.9 Notwithstanding anything previously stated, all works, repairs, connections, etc shall comply with the appropriate Standard Regulations current in the Republic, the local By-Laws at the time of installation and the Traffic Ordinance.

C3.11 CONTRACTOR(S) RESPONSIBILITIES RELATED TO COMMUNICATION WITH GDRT

- C3.11.1 The Contractor(s) shall supply the GDRT Project Manager with daily timesheets of work completed.
- C3.11.2 The timesheet should be submitted within 24 hours after completion of the works; failing this the contractor(s) could be at risk not being paid for the works completed on the timesheet.
- C3.11.3 The rates on the timesheet received by the GDRT shall not be changed by the main contractor(s); the contractor(s) stand a chance of the contract being cancelled if these rates are changed by the contractor(s).
- C3.11.4 A layout indicating cable locations as well as measurements should accompany timesheets in cases where cables were installed.

C3.11.5 The Contractor(s) shall maintain a registered and permanent based office during normal working hours, suitably staffed so that messages and instructions may be relayed through it to his field staff.

C3.11.6 The following procedures should take place before any project site is handed over to the Contractor(s):

- GDRT Project Manager to approve detailed designs from the contractor's consultants(s) and to Contractor(s).
- Contractor(s) should identify the appropriate materials or equipment to be supplied and must have it approved by the GDRT Project Manager.
- Materials will be approved not later than 24 hours before commencement of project. Once the contractor(s) has taken delivery of the materials, he takes full responsibility for any losses or damage to the materials.
- Way leave applications and utility applications should be completed.
- Photographs should be taken of the site in at least two directions to confirm the condition of the site prior to site hand-over.
- Work order placed with Contractor(s) to be confirmed by the GDRT and scope of work agreed.
- Contractor(s) and GDRT Project Manager to agree time scales for each project / installation.
- Contractor(s) and GDRT Project Manager to agree action-dated deadlines for each project or installation.

C3.11.7 The GDRT Project Manager will provide milestones for each project to the Contractor(s) before commencement of the work. This would for example be the requirement to inspect and sign off all sleeve installations before re-instatement of excavations or trenches can proceed, etc.

C3.11.8 Once the Contractor(s) is on site, he shall make allowance for the GDRT's Project Manager and/or Quality Assurer to inspect any part of the work when certain project milestones have been reached.

C3.11.9 After completion of the work the following procedures / inspections should take place:

- Once the GDRT Quality Assurer is satisfied that the work has been completed in accordance with the GDRT requirements and specifications, the Quality Assurer will issue a final acceptance and approve the handover of the installation to the GDRT.
- The Contractor(s) shall supply a breakdown of materials used;
- The Contractor(s) shall issue an invoice for the project within one week of project sign off;
- Financial sign off has to be reached between GDRT and GDRT Project Manager before payment is made for the specific project.

C3.11.10 Where these communication procedures are not being adhered to or if the Contractor(s) fails to meet the agreed deadlines on any project, without due notice and reasonable cause for the delay, the GDRT Project Manager may order the Contractor(s) to move off site and work will be continued by an alternative contractor(s) and no compensation will be made for work to date on that project.

C3.12 CONTRACTOR(S) RESPONSIBILITIES RELATED TO SAFETY

- C3.12.1 The Contractor(s) shall develop a Safety file, which must be submitted to GDRT before commencement of any work. The Safety file or copies thereof must also be kept on site. The Contractor(s) shall ensure at all times the safety of both the public and his personnel during the entire period of the Contract and keep the Site and the Works in an orderly state appropriated to the avoidance of danger to such persons.
- C3.12.2 At no time must open trenches be left unprotected. The Contractor(s) must erect temporary fences/security barriers around all excavations and piles of soil. These fences must be plainly marked by means of suitable discs hung from the wires and by red reflectors to the GDRT Project Manager's approval.
- C3.12.3 The Contractor(s) must at all times bear in mind the requirements of road and pavement users and must cause as little inconvenience and obstruction as possible. No trench may be left open for more than 24 hours.
- C3.12.4 The Contractor(s) shall provide and maintain at its own cost all barriers/fencing, lights, warning signs and watching if required for the protection of the project site and for the safety and convenience of the public or others.
- C3.12.5 The Contractor(s) shall ensure that all relevant duties, obligations and prohibitions imposed in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and Regulations will be fully complied with at all times. A written agreement in accordance with the Occupational Health and Safety Act must be entered into on award of Bid.
- C3.12.6 The Contractor(s) shall at all times observe proper and adequate safety precautions on the Site. Where adequate safety precautions are not being observed, the GDRT Project Manager may order the Contractor(s) to move off-site and work will be continued by another contractor(s) and no compensation will be made for work to date on that project.
- C3.12.7 You shall provide the client with a written safety plan which is in accordance with the specification he provided you with as well as legislation Section (5) (1)
- C3.12.8 You shall monitor all contractors appointed by you and ensure that they comply with the Occupational Health and Safety Specification of the Client as well as legislation. Section (5) (2)
- C3.12.9 The Occupational Health and Safety Specification, Safety Plan as well as the inspection on the Contractor must be done by a person deemed competent by the Construction Regulations Section (7)

C3.13 THE GDRT'S RESPONSIBILITIES

- C3.13.1 Furnish the main contractor(s) with written instructions, approve drawings, documentation etc indicating the project site and the nature and extent of work to be performed as required.
- C3.13.2 Approval and issuing of wayleave.
- C3.13.3 Managing the project and processing of payments as agreed on this contract.

C3.14 PLANNING AND EXECUTION OF WORK

- C3.14.1 All work associated with this bid must be executed in such a manner that the installation becomes available for service as soon as possible.

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

C3.14.2 The Bidder(s) must program his workflow and staffing requirements and make suitable arrangements to meet with GDRT's personnel on site prior to carrying out the work on site, as no payment will be made for standing or waiting time.

C3.14.3 The Contractor(s) shall make allowance for the GDRT's Project Manager and/or Quality Assurer to inspect any part of the work when certain project milestones, as agreed for each project, have been reached.

C3.15 WORKMANSHIP

C3.15.1 The GDRT Project Manager shall have authority to issue instructions for the removal and proper re-execution of any work which, in respect of materials or workmanship is not, in the opinion of the GDRT Project Manager or Quality Assurer, in accordance with the required GDRT standards.

C3.15.2 Should any of the work carried out by the Contractor(s), become defective within a period of three (3) months from the date of final acceptance of the installation as a result of poor workmanship or negligence on the side of the Contractor(s), the Contractor(s) will be ordered to repair and re-execute the work at no cost to the GDRT. Should the Contractor(s) fail to comply with this order, the GDRT Project Manager shall have the right to remove and have the work reinstated by another contractor(s) and the cost will be recovered from the Contractor(s).

C3.15.3 No part of the works shall be covered up or put out of view without approval of the GDRT Project Manager or the GDRT's Quality Assurer and the Contractor(s) shall afford full opportunity for the GDRT to examine and measure any such part of the work which is about to be covered up. The Contractor(s) shall give notice to the GDRT whenever any such part is ready for examination and the GDRT's Quality Assurer shall without unreasonable delay, unless he considers it unnecessary and advises the Contractor(s) accordingly; attend for the purpose of examining such part of the work.

C3.16 DEFECTS LIABILITY PERIOD

C3.16.1 The Contractor(s) shall be responsible for all defects as a result of poor workmanship or negligence on the side of the Contractor(s), for a period of three (3) months after the issuing of the final acceptance of the installation.

C3.16.2 Should the GDRT discover on re-opening of any installation completed by the Contractor(s), even after the three month liability period has expired, that the installation did not comply with the GDRT specifications, the GDRT may cancel the Contract with the Contractor(s) and appoint another Contractor(s) to fulfil the obligations for the remaining Contract Period.

C3.16.3 On completion of the installation, the contractor(s) shall test each piece of equipment and each circuit for correct functioning under supervision of the Quality Assurer of the GDRT. During the commissioning testing, any necessary adjustments and calibration procedures shall be carried out.

C3.16.4 Should, during the three (3) months defects liability period, controllers / installations not function correctly or becomes damaged as a result of poor workmanship on the side of the Contractor(s) (e.g. due to loose or incorrect connections), the Contractor(s) shall be liable for repairing the damage or replacing the controller at his own cost.

C3.17 DEFECTIVE MATERIALS

C3.17.1 The Contractor(s) shall, at his own cost and within a reasonable time as specified by the GDRT, remove any materials which in the opinion of the GDRT Project Manager or Quality Assurer are not in accordance with the specification or his instructions and substitute with proper materials and properly re-execute any work with materials and workmanship which, in the opinion of the GDRT Project Manager, are in accordance with the GDRT specifications. The Contractor(s) shall amend and make good any defects, shrinkage, defaults or other damage which may appear arising from defective or improper materials or workmanship or from any neglect, omission, act or default of the Contractor(s) or from any accident, fire, drought, flood, frost or tempest.

C3.18 STANDARDS AND CODES

C3.18.1 All work carried out must comply with the following: -

- a) Occupational Health and Safety Act (Act 85 of 1993) [OHS Act];
- b) South African National Standard specifications SANS 1507: Electric cables with extruded solid dielectric insulation for fixed installations [SANS 1507];
- c) The Wiring Code SANS 10142-1 (Standards relating to electrical installations)
- d) The Greater Johannesburg Metropolitan Council's By-Laws [By-Laws];
- e) The Greater Johannesburg Metropolitan Council's Electricity By-Laws.
- f) South African National Standard specifications SANS 1459: Traffic signals [SANS 1459];
- g) SANS 1200 Standardized specification for Civil Engineering Construction: Various applicable Sections [SANS 1200]
- h) The South African Road Traffic Signs Manual Volume 3: Traffic Signal Design, April 2001 [SARTSM].
- i) The "Codes of Practice for Work in the Road Reserve".

C3.19 ELECTRICIANS / ELECTRICAL CONTRACTOR(S)

C3.19.1 In some instances the Contractor(s)'s staff will be required to work on live equipment. The Contractor(s) must therefore provide proof that he has a person in his **permanent** employ with the necessary qualifications to carry out the electrical work.

C3.19.2 The Contractor(s)'s electrical/electronic technicians must also be fully conversant with Automotor, Syntell and Siemens traffic signal systems.

C3.19.3 The Contractor(s) shall complete the necessary documentation showing the qualification of the electrical/electronic technician.

C3.19.4 A list of qualified electricians should be attached with a copy of their certificate.

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

C3.19.5 Only a qualified electrician will be allowed to perform the connections and terminations of all cables.

C3.19.6 The Bidder(s) as well as any subcontractor(s) who will perform electrical work shall be registered with the Electrical Contracting Board of South Africa.

C3.19.7 The Bidder(s) shall have an employee with a valid wireman license.

C3.20 CONSULTANT(S)/PROFESSIONAL ENGINEER/TECHNOLOGIST.

- The contractor(s) will be required to provide proof that he has a person in his permanent employment with necessary qualifications to carry out the Traffic Signal/ Civil Engineering works (designing of geometric layouts to cater for new installations of traffic signals).
- The contractor(s) must complete necessary qualifications of the Traffic Engineer/ Technologist along with relevant experience in connection with traffic signals.

C3.21 STANDARD OF SERVICE

C3.21.1 The Contractor(s) must ensure that the GDRT Project Manager's and GDRT's best interests are served at all times during the contract period. Recommendations and advice must be based on impartial observations, responsible opinions and pertinent facts. Any information gained by the Contractor(s) during the course of the contract must be kept in strict confidence and may not be used without the written permission of the GDRT Project Manager.

C3.22 CLEANLINESS OF WORK SITE

C3.22.1 As the work will be performed mainly in residential areas, the work site must be kept clean at all times and must be cleared of scrap on a daily basis.

C3.23 REGISTERED OFFICE

C3.23.1 The Contractor(s) must maintain a permanently based office during normal working hours suitably staffed so that messages and instructions etc. may be relayed through it to his field staff.

C3.23.2 The Contractor(s) must be in possession of a cellular phone so that his office may contact him at all times.

C3.24 WORKING HOURS

C3.24.1 Payment for work will be made as per bided rates; these rates will be used for work performed during normal working hours as well as work performed outside normal working hours, weekends and public holidays.

C3.24.2 There will be no additional (higher) rate for work performed outside normal working hours.

C3.25 STANDING TIME

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

C3.25.1 The GDRT will endeavour to maintain continuity of work to the Contractor(s). However if, for reasons outside the GDRT's control, work cannot be carried out there will be no compensation for standing time.

C3.26 OPERATING CONDITIONS

C3.26.1 The Contractor(s) will be required to work under the following operating conditions: Ambient temperatures: - 3°C to 35°C

- a) Altitude above sea level: 1 800 m
- b) Average humidity: 68
- c) Lightning: Severe
- d) Dust: Severe
- e) Voltages: High voltage systems = 11 000V – 3 phase
 Medium voltage system = 400 / 230V – 3 phase, 4 wire
 Low voltage systems = 230V – single phase

C3.27 SECURITY

C3.27.1 The Contractor(s) shall be responsible for the loss of all equipment and or material for which he has taken delivery. He should have adequate insurance cover against theft and damage of the material and equipment, including Traffic Signal Controllers.

C3.27.2 The Contractor(s) must familiarize himself with the risks and conditions especially pertaining to the safety of personnel where areas of work occur. The GDRT will only provide security for the Contractor(s)'s personnel under exceptional circumstances and only if approved by the GDRT Project Manager.

C3.28 REMOVAL OF SURPLUS MATERIAL

C3.28.1 The Contractor(s) must remove all soil, tarmac, rocks and other material left over after excavation and backfilling and must dispose of this material. The site must be left clean and level after completion of the contract. All blocks removed must be neatly stacked at the rear of the pavement. The cost of this work must be included in the excavation work. No work will be passed for payment before this requirement has been met.

C3.29 OBSTRUCTION TO TRAFFIC

C3.29.1 At no time may pavements be closed to pedestrians, unless approved by the GDRT Quality Manager.

C3.29.2 No methods may be employed which could be a source of danger to the public.

C3.29.3 When working in the roadway, danger signs complying with the traffic regulation must be used. The GDRT will make no special arrangements for the diversion of traffic.

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

C3.29.4 The Contractor(s) must notify the GDRT project manager prior to commencing any work that would cause a disruption to traffic.

C3.30 TREES

C3.30.1 Where trees interfere with the work the matter must be reported to the GDRT Project Manager who will arrange for the trees to be trimmed.

C3.31 SIGN BOARDS

C3.31.1 The GDRT may require the Contractor(s) to display signboards notifying the public of upgrades to the Traffic Signal Systems. The signs required should be installed by the Contractor(s) in accordance with the GDRT requirements.

C3.31.2 When excavations are being carried out, the Contractor(s) shall display a sign board at each end of the excavations showing the name of the company telephone number, fax number, client working for and contract name and number.

C3.32 CONTROL OF LABOUR

C3.32.1 The requirements of the Medical Officer of Health, the Johannesburg Metropolitan Police Department (JMPD) and the GDRT Project Manager must be strictly adhered to.

C3.33 DAMAGE AND INSURANCE

C3.33.1 The Contractor(s) will be held responsible for all damage to existing services or any damage caused by actions of the Contractor(s) or his staff to electrical, water, sewer, gas, telephone or any other services or to private or GDRT property and must be repaired at the Contractor(s)'s expense.

C3.33.2 The Contractor(s) has to acquaint himself with the locations of all existing services, such as sewerage pipes, storm water pipes, culverts, water pipes, manholes, valve casings, electric cables, telephone cables or any other services, before any work is commenced that could affect existing services.

C3.33.3 Any property found damaged by others, which could implicate the Contractor(s) in any way, must be reported to the GDRT Project Manager before any work commences. Any resultant repair costs will be wholly for the Contractor(s)'s account and no claims of prior weakness or defects to the structure will be considered.

C3.33.4 The Contractor(s) must have adequate insurance cover against any damage caused by the Contractor(s) or his staff to electrical, water, sewer, gas, telephone or any other services or to private or GDRT property. The Contractor(s) shall also insure against the loss of or damage to any of the traffic signal material or equipment of which he has taken delivery.

C3.34 INFORMATION REQUIRED

C3.34.1 The Bidder(s) must attach to this document a Company Profile.

C3.34.2 The Contractor(s) must complete all details required in this document as well as the Technical Data Sheet, Omissions and Variations Sheet and Compliance Sheet included in the Form of Bid, failing which his bid will not be considered.

C3.35 ENQUIRIES

For the availability of the bid document and technical specification enquiries contact Supply Chain Management (SCM) on the following e-mail @ drt.scmbidadmin@gauteng.gov.za

C3.36 EXCAVATION OF TRENCHES, HORIZONTAL DRILLING AND INSTALLATION OF SLEEVES

C3.36.1 SCOPE

This section covers the technical details for the provision of labour, supervision, transport, specialized equipment and facilities for excavation and backfilling of trenches, underground horizontal drilling and installation of sleeves.

C3.36.2 MATERIALS / EQUIPMENT TO BE SUPPLIED BY CONTRACTOR(S)

The Contractor(s) must supply the following materials / equipment:

- All tools, plant or drilling machinery, drills / cutting equipment and fuel, if required, for the machinery.
- All transport for his staff, machinery and equipment.
- Consumable items such as cement, cable marker tape, adhesive solvents, soaps, cleaning rags, hand cleaner cotton waste, insulation tape, etc.
- Specialised equipment eg ultrasonic and radio detection equipment for locating other services.

C3.36.3 INFORMATION PERTAINING TO OTHER SERVICES

If the GDRT is unable to supply suitable way leaves or to supply them in time then the contractor(s) must obtain the required information from the other service providers (SP) at these quoted rates.

C3.36.4 RELOCATION AND PROTECTION OF SERVICES

The item is provided as a provisional sum to be used to the discretion of the GDRT Project Manager to protect services or relocate services if required at a specific intersection.

C3.36.4 TRACING OF EXISTING SLEEVES

The tracing of existing sleeves shall be carried out on instruction of the GDRT Project Manager and will consist of hand excavated trenches to determine the position of existing ducts. The trenches shall be backfilled and compacted on completion. The item will be measured in running meter (m), less than 1,5m deep, of material excavated.

C3.36.5 ACCOMMODATION OF TRAFFIC

The accommodation of traffic is deemed to be included in the rates, including all road signs, arrangements with the traffic department or the provision of manpower as required ensuring the safe accommodation of traffic during installations.

The road signs supplied by the Contractor(s) for the accommodation of traffic, have to be in good condition and will be inspected by the GDRT Quality Assurer prior to or during the commencement of construction, as instructed in the works order.

C3.36.6 CROSSING OF ROADWAYS

Where cables cross roadways, the Contractor(s) must ascertain whether sleeves have been installed to pull the cables through. The sleeves will be within 1m on either side of the mark and generally one (1) meter below finished road level.

Roads may only be excavated across where there are no existing sleeves and authority must first be obtained from the GDRT Project Manager. It is the responsibility of the contractor(s) to find out what roads are "No Dig" Roads. This information can be obtained the GDRT way leave office.

Under no circumstances may the roadway be excavated where sleeves are available.

Open trenches must be covered at night and over weekends by means of suitable covers to allow reasonable access to the properties by both pedestrians and vehicles. No driveway may be excavated unless the occupant of the premises has been given at least 24 hours' notice.

C3.36.7 CUTTING, LIFTING AND REPLACING OF ROAD SURFACE

The lifting and replacement of the various types of road surfaces, i.e. interlocking blocks, concrete or asphalt will be required when crossing existing roadways. The standard GDRT paving blocks are 60mm or 80mm thick grey interlocking concrete blocks. The rate shall include cutting and lifting of the surface, stock piling of re-usable material, removal of spoil material and reinstatement of road surface by reusing existing material or providing new material. Where reinstatement of asphalt surfacing is required, it shall be done to a minimum thickness of 40mm.

If any specialised paving materials are encountered or where existing materials cannot be re-used, instructions and agreed rates in the form of a variation order from the GDRT Project Manager must be received by the Contractor(s) before lifting of the materials commences.

C3.36.8 EXCAVATION FOR ROAD CROSSINGS

Where sleeves are not available, trenching across existing roadways or excavations for crossing of existing streets will be required for the installation of sleeves. This includes the excavation of a 600mm wide trench to a depth of 600 mm, stock piling of re-usable material and removal of spoil material, laying of ducts, backfilling and compaction of material, compaction must be done in Layers and must pass a DCP test. The item will be measured in cubic meters of trench excavated and reinstated and should include all work related to the road crossing (i.e. cutting, lifting, excavating, laying of sleeve, re-instatement, etc.)

C3.36.9 REMOVAL AND REPLACEMENT OF LAWN GRASS

When trenches are excavated in lawn grass, the Contractor(s) shall carefully lift and preserve the grass and replant after backfilling and compaction of the trenches. The item will be measured in square meters of lawn grass lifted and replaced.

C3.36.10 CROSSING OF DRIVEWAYS

Where cables are to be installed under paved driveways, it is preferred that such paving is not disturbed and that the excavations are carefully tunnelled under the driveway.

Where the Contractor(s) is unable, for any reason, to carry out this tunnelling operation and has to cut through the paving, the paving must be reinstated at the Contractor(s)'s cost to the satisfaction of the GDRT Project Manager and the property owner within 48 hours.

C3.36.11 EXCAVATION FOR THE INSTALLATION OF SLEEVES

Excavation for trenches next to the road, for installation of sleeves or traffic signal, loop and electrical cables in all classes of material. All excavations shall be classified as follows for payment purposes:

- a) In soft pick able soil: material that can be excavated by hand using picks.
- b) In pick able soil with boulders: that can be excavated by hand using picks, but containing boulders in excess of 0,15 m³ in volume.
- c) In hard material: Hard material which cannot be excavated except by using wedges, power drilling, blasting or with the use of pneumatic or mechanical breakers shall be classified as hard material.

NOTE: IF BLASTING IS REQUIRED IT MAY ONLY BE CARRIED OUT ON WRITTEN INSTRUCTIONS IN THE FORM OF A VARIATION ORDER FROM THE GDRT PROJECT MANAGER AND AFTER SUBMISSION OF A COMPLETED BLASTING INDEMNITY FORM.

The Contractor(s) must use 110mm diameter PVC pipes for installation in trenches.

The item shall include the excavation of trenches, stock piling of re-usable material, removal of spoil material installation of sleeves in accordance with the GDRT specifications, backfilling by reusing existing material or using suitable fill material and compaction. All excavations for trenches and installations of sleeves shall comply with the relevant clauses of SANS 1200 as specified below.

C3.36.12 UNDERGROUND HORIZONTAL DRILLING AND INSTALLATION OF SLEEVES

This item includes for direct and direction drilling under roadways which cannot be trenched across. Contractor(s) will require specialised drilling machinery and drills or cutting equipment. The item includes the excavation, compacting and backfilling of entry holes for drilling equipment and holes on the opposite side of the drilling equipment.

The Contractor(s) shall supply sleeves / pipes in straight lengths which must be manufactured from high density polyethylene and must comply with the European standard EN 50086 2 - 4 1994 - Conduit Systems for electrical installations Part 2 - 4 in particular requirements for Conduit Systems buried underground.

Alternatively continuous lengths of high density black polyethylene pressure pipe which must comply with SANS 533, 1982 can be used. Provision shall be made by the Contractor(s) for the GDRT Project Manager to inspect samples of the equipment to be installed as and when reasonably requested to do so. This is especially important where a different type of material is used than what is presently used by the GDRT.

C3.36.13 SURCHARGE FOR DRILLING NEAR OTHER SERVICES

The rates quoted for drilling must be for locations where no other services exist. A surcharge in the form of a percentage may be included by the contractor(s) at the end of the schedule of rates, for drilling in locations at less than one metre from existing services.

C3.36.14 BACKFILLING OF TRENCHES

All trenches must be inspected and approved by the GDRT's Quality Assurer before cables are laid. Backfilling of trenches must be done in accordance with the "Code of Practice for Work" in the road reserve.

C3.36.15 EXCAVATIONS IN MAJOR BUSINESS DISTRICTS

All excavations in the Major business centres can only be carried out between the hours of 20h00 and 06h00 during the week and between 12h00 on Saturday and 06h00 the following Monday, unless otherwise instructed by the GDRT or in emergency situations.

C3.36.16 EXCAVATED MATERIAL

All excavated material must be piled in positions where it will offer the least obstruction to traffic. Under no circumstances may drainage systems be obstructed. Excavated material not required for backfilling must be removed within 24 hours.

C3.36.17 PROTECTION OF EXCAVATION SITES

At no time must open trenches be left unprotected. The Contractor(s) must at all times bear in mind the requirements of road and pavement users and must cause as little inconvenience and obstruction as possible. No trench may be left open for more than 48 hours.

C3.36.18 INSTALLATION OF SLEEVES / PIPES

All sleeves / pipes shall be installed as follows:-

- All holes / sleeves and pipes must be installed at a minimum depth of 500 mm from the top of the hole / sleeve or pipe to the road surface.
- The sleeves must extend at least 500 mm beyond the kerbs into the pavement area.
- The sleeves must be installed complete with 1,5 mm galvanised steel draw wire. The bidded rate should include the supply of this steel wire.
- The concrete kerbs at road crossings must be marked by means of the letter "TS" ground into the concrete.
- The ends of all sleeves / pipes must be blanked or sealed off by means of end caps to suit the sleeves / pipes.

- Plastic bags or sheeting placed over the end or other materials pushed into the pipes will not be accepted.

C3.36.19 RELEVANT STANDARDS

All excavations of trenches and installation of sleeves shall comply with the relevant clauses of SANS 1200.

- Selected granular material and selected fill material: The requirements for selected granular materials or selected fill material given in SANS 1200LB, if relevant, shall apply.
- Bedding: Bedding materials for ducts shall comply with Clause 3.2.1 of SANS 1200LC.
- Backfill materials and materials for the reinstatement of roads and paved areas: The requirements of SANS 1200 DB Clauses 3.5 and 3.6 shall apply.
- Selection of materials: Clause 3.7 of SANS 1200 DB shall apply, where relevant.
- Excavation equipment: The Contractor(s) shall use plant in good order that can excavate trenches to widths that will assure proper backfilling.
- Control of water: Clause 4.2 of SANS 1200 DB and Clause 4.2 of SANS 1200 LC, shall apply.
- Compaction equipment: Clause 4.3 of SANS 1200 DB and Clause 4.2 of SANS 1200 LC, shall apply.
- Construction precautions: The Contractor(s)'s attention is drawn to the provisions of Sections D16 of Chapter V of the Regulations gazetted under the Factories, Machinery and Building Works Act 1941 (Act 22 of 1941), as amended, which lays down the statutory precautions to be taken in all trench excavations.
- Storm water, seepage and dewatering of excavations: The Contractor(s) shall properly and adequately protect the works from flooding, damage by storm water, flow from springs and seepage and he shall comply with the conditions of SANS 1200 A sub clause 5.5.
- Accommodation of traffic and access to properties: Clause 5.1.3 of SANS 1200 CB shall apply.
- Existing services that intersect or adjoin trenches: The requirements of Sub-Clause 5.4 of SANS 1200 A shall apply.
- Trench widths and depths: The minimum trench dimensions for ducts shall be as specified in Clause 5.1.1 of SANS 1200 LC.
- Cables that are not laid in ducts shall have a minimum of 500mm cover for 500V cables or less, and 900 mm cover for cables more than 500V. Minimum trench width shall be 250mm or the total width of the group of cables plus 100mm on each side.
- The use of narrow trenching plant, moles or such other equipment shall be subject to the approval of the GDRT Project Manager and shall be conditional upon the specified degree of compaction of backfill being achieved.
- Bedding and compaction of bedding: SANS 1200 LB-1983 shall apply.
- Ducts: Clause 5.2 of SANS 1200 LC shall apply.
- Cables without ducts: A layer of bedding material 100 mm thick shall be placed at the bottom of the trench, and well compacted before the cables are laid. At least 150 mm of bedding material shall be placed over the cable and compacted carefully with a tamping tool as specified in SANS 1200 LC Clause 4.2 before normal backfilling can commence.

- Backfilling and compaction: The relevant requirements of Clause 5.6 and 5.7 of SANS 1200 CB shall apply.
- Concrete encasement: Where so required, ducts shall be encased in concrete with minimum curb strength of 15 MPa after 28 days.
- Minimum distances between electricity cables and detector lead-in cables or telecommunication cables: Trenches shall be excavated in such positions that detector lead-in cables or existing telecommunication cables and electrical power cables are separated by at least 300 mm of soil. Where this is not possible, the Contractor(s) shall seek the GDRT Project Manager's instructions before laying the cables.
- Marking cables and ducts: Cable marking tape shall be placed in the backfill, 300 mm above the cable or duct. The relevant requirements of Sub-Clauses 5.9 and 5.10 of SANS 1200 LC shall apply.
- Reinstatement of surfaces: Existing paved surfaces shall be repaired and reinstated as required in terms of Sub-Clauses 5.9 and 5.10 of SANS 1200 DB.
- Tolerances: The requirements of Clause 6 of SANS 1200 LC shall apply for cable and duct trenches.
- Testing: The requirements of Clause 6 of SANS 1200 LC shall apply.
- Rates: The relevant requirements of Clause 8 of SANS 1200 CB shall apply, but the Contractor(s) shall include the cost of supplying and laying marking tape in his rates for trenching.

C3.37 INSTALLATION OF CABLES CUTTING OF LOOPS AND INSTALLATION OF OVERHEAD BASED DETECTORS

C3.37.1 SCOPE

This section covers the installation of traffic signal cables and the cutting and installation of inductor loop detectors for vehicle-actuated signals and traffic responsive control systems such as Urban Traffic Control (UTC). The work shall include the provision of labour, supervision, transport, specialized plant and facilities and minor consumables.

C3.37.2 MATERIALS TO BE SUPPLIED

The contractor(s) shall provide the material and transport to site. The Contractor(s) must supply the following materials / equipment:

- a) All cutting equipment and fuel, if required, for the machinery.
- b) All transport for his staff, machinery and equipment.
- c) Silicone sand for bedding and bitumen/epoxy compound for sealing of the cuts.
- d) 20mm PVC conduit, where required
- e) Consumable items such ferrules, lugs, insulation tape, adhesive solvents, soaps, cleaning rags, hand cleaner cotton waste etc.

C3.37.3 PROCEDURE FOR INSTALLATION OF CABLES

For road crossings the cables must be installed in cable sleeves, which must be laid at a minimum depth of 500mm from the top of the sleeve to the road surface. The sleeves shall protrude by at least 500mm from the kerb or road edge into the footway on both sides of the road.

Cables must only be laid in trenches having smooth flat bottom surfaces. Where these surfaces are irregular they must be smoothed off before installing the cables. Where cables are installed in trenches cut in rock, a 75 mm layer of fine riddled earth must be placed on the bottom of the trench to serve as bedding for the cable.

Rock encountered in trenches is to be removed with the use of mechanical rock breakers such as a pneumatic hammer and wedge. The use of explosives will only be considered under special circumstances and blasting may only be undertaken with the written permission of the GDRT Project Manager.

All cables shall operate within their current ratings and shall be protected by appropriately rated circuit breakers or fuses.

Cables between the controller and signals shall have the number of cores as specified by the GDRT Project Manager. Care shall be taken to ensure that armour wires are correctly seated and that all parts are properly tightened.

Cores shall be designed to firmly clamp the conductor by means of a pressure plate such that the clamping pressure is not generated by direct contact between the terminal clamping screw and the conductor. There shall be no appreciable mechanical strain on the core at the termination.

Cores shall normally be terminated directly into circuit breakers or onto terminal strips fixed to suitable mounting rails such that modules of equipment can be removed without disconnecting incoming or outgoing cables. Adequate space shall be allowed to facilitate access for installation and maintenance.

The cables between the point of connection to the electricity supply and the controller shall also be installed by the Contractor(s).

Joints in the cables will only be permitted at full drum lengths or at termination points. At all terminations, cable armouring shall be bonded to earth. Joints, if required, shall be of the cast resin type using joint kits from reputable suppliers approved by the cable manufacturer.

Two (2) metres of slack is to be looped at the base of each signal pole and at the controller to reduce the risk of breakage in the event of a vehicle colliding with the pole.

C3.37.4 PROCEDURE FOR CUTTING AND INSTALLING LOOPS

On roads with asphalt surfacing, slots should be cut sufficiently deep to accommodate the wire, filling material and the slot sealant. On roads with block paving surface, loop wires must be installed in a 20mm PVC conduit or pipe. Either method may be applied to loops that are to be installed in concrete slabs and will be specified by the GDRT Project Manager.

Loops must be properly and carefully installed to ensure that breakage of the wire or breakdown of the insulation, causing ingress of water and variations in resistance to earth and induction do not occur.

Cutting of the slot must be done at an even depth, particularly at corners where the cut must continue slightly beyond the end of the loop to accommodate the circular shape of the saw. The slots should be free from any sharp edges that could damage the loop wire insulation and should be clean and dry before laying the loop. The wire should be laid in the slot without the application of undue pressure or force. Wire should not be pushed into the slot with a screwdriver or any other sharp instrument.

The loop wires and wire tails from the loop should be one continuous length of wire and joints are not permitted. The wire tails are joined to the detector lead-in cable (DLC) and the joint should be encapsulated in a waterproof resin compound.

If there is a kerb, a hole must be drilled through or below the kerb and a conduit provided for the wire tails.

ECSA registered engineer must prepare the detailed drawings for each installation.

C3.37.5 INSTALLATION OF OVERHEAD DETECTORS

The installation of the equipment shall comply fully with the installation instructions by the manufacturer.

C3.37.6 MEASUREMENT AND PAYMENT

a) Installation of Electrical Cables

This item will include collection from the supplier and draw of cable through ducts, laying in trenches and connection at end points. The item will be measured per meter of type of cable installed.

b) Cable Joints and Terminations

This item is for the joining and termination of traffic signal cables and will be measured per cable joint including termination with or without glands.

c) Cut in asphalt for inductive loops

The item will include a cut in existing asphalt and kerbs to the dimensions as specified in the detail drawings. The type of loop to be cut will be specified per intersection. The item will be measured per meter cut in asphalt.

d) Cut in concrete for inductive loops

The item will include a cut in the concrete slab to the dimensions as specified in the detail drawings. The type of loop to be cut will be specified per intersection. The item will be measured per meter cut in concrete.

e) Placing of loop wire

The item will include the collection and placing of all loop wire necessary for the construction of a loop in the road surface, namely 1,5 mm silicone wire, minimum 3 turns in the loop. Silicone sand and epoxy compound, which will be supplied by the contractor(s), shall be placed as shown in the detail drawings. The item will be measured per meter of loop wire installed as described.

f) Supply and placing of 20mm PVC conduit

As alternative to cutting in the concrete slab or on roads with block paved surfacing, PVC conduits shall be placed in the concrete slab or below the block paving with the loop wire placed inside, within a minimum of 3 turns. The conduit shall be placed at the depth as specified in the detail drawing.

The loop wire shall be placed in the conduit before placing the conduit in the concrete / under the paving. The 1,5mm silicone wire must be installed inside the conduit for drawing cables.

The item makes provision for the supply and installation of the PVC conduit and will be measured per meter of conduit.

g) Installation of low tension splicing kit

The loop wire shall be connected to the feeder cable (2 core 1,5mm² cable) via a low voltage splicing kit, voltage rating 1,1 kV.

The item shall include the collection and installation of the splicing kit and will be paid per number installed.

h) Extra over for additional loop wire

If the size of the loop circumference warrants an additional turn of wire, the additions must be approved by the GDRT Project Manager; the additional wire will be measured and paid per meter wire.

i) Commissioning

This item will include the making alive, testing and commissioning of vehicle actuated or responsive systems.

C3.38 INSTALLATION OF TRAFFIC SIGNAL POLES AND SIGNAL HEADS

C3.38.1 SCOPE

This section covers the technical details for the provision of labour, supervision, transport, specialized plant and facilities, cement and minor consumables for the installation of traffic signal poles, heads and direction signages(ST signs) including the excavation for and casting of concrete bases and installation of base plates.

C3.38.2 INSTALLATION OF TRAFFIC SIGNAL BASES

The bases for traffic signal poles will be hand excavated and the rate shall allow for excavation in all types of material. The rate for installation of bases for traffic signal poles shall include the casting of in-situ concrete as per GDRT specifications, the excavation for the footing and the installation of the steel frame base plate.

The item will be measured per number of completed bases, per type of traffic signal pole and the rate shall allow for the supply of concrete, as well as excavation.

C3.38.3 INSTALLATION OF TRAFFIC SIGNAL POLES

This item covers the installation of traffic signal poles for different heights and types. Rates must include collection of poles, transport to site and supply of labour for the installation of the poles. The item will be measured per type of pole and per number of poles installed.

C3.38.4 PAINTING OF POLES

All poles shall be painted with two layers of anti-corrosive paint followed by golden yellow paint and black enamel paint on the top 750mm of the pole, as specified in the South African Roads Traffic Signs Manual. The rate shall provide for the labour to paint the complete pole. The item will be measured per type of pole and per number of poles painted.

C3.38.5 ASSEMBLY AND INSTALLATION OF SIGNAL HEADS

The Contractor(s) is responsible for the collection, assembly and transport of traffic signal heads to site. Each signal head item, as specified in the schedule of rates, shall include the complete assembly of all the elements, which shall include the following:

- Lenses (LED modules)
- Visors
- Modular background screens
- Pole mounting straps

C3.38.6 INSTALLATION PROCEDURE

The installation shall comply with the specification in the SARTSM. The height of the centre of the green signal aspect of the S1 signal heads shall not be less than 2,3m and not more than 3m above the level of the carriageway. The same height requirements apply to the amber right turn arrow of the S10 signal heads. Where indicated on the drawings, the yellow right turning arrow of the S10 signal heads shall be located to the right of and in a horizontal line with the yellow aspect of the S1 signal heads. Similarly, the green right turning arrow of the S10 signal heads shall be in a horizontal line with the green aspect of the S1 signal head.

When fitted, the background screens shall be practically on the same plane as the lenses and shall be rigidly mounted to withstand the rigorous weather conditions encountered in South Africa.

The unit of measurement will be the number of signal heads, and the rate shall include all the items specified above and all other items to install the signal heads to the satisfaction of the GDRT Project Manager.

C3.38.7 INSTALLATION OF PEDESTRIAN PUSH BUTTONS

This item will include the installation of push button, including supply and transport and assembly. The push button shall be installed at the height and with the layout of cabling as shown on the drawings.

The item will be measured per number of push button assembled and installed.

C3.38.8 INSTALLATION OF DEVICES FOR VISUALLY HANDICAPPED PEDESTRIANS

Visually handicapped pedestrians can be assisted to locate pedestrian actuated signals, and to know when the pedestrian phase is operating, by the installation of audio-tactile devices in the pedestrian button assembly.

Accessible pedestrian signals (APS's) supplement pedestrian signal indications with audible and/or vibrotactile information, which could include directly audible or transmitted tones, speech messages, talking signs, and vibrating surfaces.

Main Contractor(s) must supply a rate for the installation and testing, including decibel testing of any audio-tactile devices per crossing at traffic signal intersections, as specified by the GDRT in the works order.

C3.38.9 INSTALLATION OF POLE TOP CONNECTORS

Pole top connectors shall be installed at the positions shown on the detail drawings. The pole top connectors will be measured per number supplied and installed. This rate should include the rate for the terminations of the cables.

C3.38.10 COVERING OF HEADS

The signal head aspects shall be covered for the period between installation and commissioning. Note - Signal heads will only be installed once the electrical supply is provided at said intersection.

C3.38.11 INSTALLATION OF DIRECTION SIGNS

The direction signs shall be installed at the positions shown on the detailed drawings.

The installation will be measured per sign installed.

C3.39 INSTALLATION OF SIGNAL CONTROLLERS

C3.39.1 SCOPE

This section covers the installation, connection, commissioning and testing of traffic signal controllers. It includes the excavation and casting of the concrete base for the controller poles, the installation of the controller cabinet and controller, connection to electrical supply, commissioning and testing of the controller.

The controller, complete with cabinet and pole, shall be supplied by the contractor(s) and the programming of the software will be the responsibility of the contractor(s). The rates shall include collection of the materials from the supplier(s), transport to site as well as the provision of the required labour, supervision, transport, specialized plant and facilities and consumables such as concrete, ferrules, lugs, insulation tape, etc.

C3.39.2 INSTALLATION OF CONTROLLER, POLE AND CABINET

The Contractor(s) shall be responsible for the supply and complete installation of the controller. The item will include for the controller pole, excavation of existing material, removal of spoil material from site, compaction of the work surface and casting a concrete base. The base for the controller cabinet shall be hand excavated and the rate shall allow for excavation in all types of material.

C3.39.3 CONNECTION TO THE MAIN ELECTRICAL SUPPLY

The Contractor(s) shall liaise with the GDRT, City Power or Eskom or any other supply authority to determine the nature and location of the power supply and shall be responsible for establishing the location of the main electrical power supply and will be required to excavate trenches and install sleeves between the controller and the main electrical point of supply.

C3.39.4 COMMISSIONING

On completion of the installation, the contractor(s) shall test each piece of equipment and each circuit for correct functioning under supervision of the Quality Assurer of the GDRT. During the commissioning testing, any necessary adjustments and calibration procedures shall be carried out.

A certificate of compliance might be requested by the GDRT where after it must be issued to the GDRT on final acceptance by the GDRT Quality Assurer at all new traffic signal installations as well as re-cabled traffic signal installations. The rate will be measured per intersection.

C3.40 REMOVAL, REPAIR AND REPLACEMENT OF EXISTING TRAFFIC SIGNAL INSTALLATIONS

C3.40.1 SCOPE

This section covers the technical details for the provision of labour, supervision, transport, specialized plant and facilities and minor consumables for the removal of old equipment, repair and/or replacement of traffic signal equipment within the area covered by the GDRT.

C3.40.2 MATERIALS / EQUIPMENT TO BE SUPPLIED BY CONTRACTOR(S)

The Contractor(s) must supply the following materials / equipment:

- All equipment, tools and fuel, if required, for the machinery required to complete the work
- All transport for his staff, machinery and equipment.
- Consumable items such as cement, insulation tape, ferrules, lugs, adhesive solvents, soaps, cleaning rags, hand cleaner cotton waste etc.
- Specialised equipment eg ultrasonic and radio detection equipment for locating other services.
- All safety equipment required by the Contractor(s).
- Any specialised tool / handheld / laptop as required.

C3.40.3 PROCEDURE FOR REMOVAL OF OLD EQUIPMENT

Existing traffic signal heads shall be removed as indicated by the GDRT Project Manager. This will consist of switching off the power to the signal heads, removal of cables and removal of the signal heads as indicated by the GDRT Project Manager. The Contractor(s) shall notify the GDRT Project Manager before commencement and before switching off a traffic signal installation. The GDRT Project Manager will also indicate to the Contractor(s) which signal heads should be kept for re-use and which signal heads should be taken.

The removal of poles will consist of unbolting the poles from the steel frame and base plate if cantilever or high poles, or the excavation of the pole if a standard height pole is to be removed. An extra over item is provided if the frame is to be cut off directly above the concrete level and the reinstatement of the area to the natural ground level. This will be measured in number of poles.

The rate for disassembling will be a sum per traffic signal pole and must make provision for all costs to remove poles, disassemble and transport the signal heads and poles to the location indicated by the GDRT Project Manager.

C3.40.4 REMOVAL AND REPLACEMENT OF CONTROLLER BOX

This item shall include the switching off and isolating of the power supply, removal of poles, dismantling the controller, excavating the controller pole and removal of the controller and the pole from site to a location indicated by the GDRT Project Manager. The item will be paid per number of controllers removed.

C3.40.5 REMOVAL OF DAMAGED CONCRETE BASES

Where required, the GDRT Project Manager will request the Contractor(s) to remove the concrete bases of the traffic signal poles. The rate must make provision for the breaking up and removal of the concrete footing,

backfill and compaction and re-instatement of the area the natural ground level. The item will be measured per concrete base removed and different rates should be provided for the removal of bases for the different types of poles.

C3.40.6 REPLACEMENT OF TRAFFIC SIGNAL EQUIPMENT

The procedure for the replacement of traffic signal equipment will be similar to that of installing new equipment and is covered under the installation of new equipment in the Schedule of Rates.

C3.40.7 COMPLETION OF INSTALLATION AND TOUCHING UP

After installation, any touching up of paintwork or realignment of signal poles or heads required by the GDRT Project Manager must be done by the Contractor(s) at the Contractor(s)'s expense and to the satisfaction of the GDRT Project Manager.

C3.40.8 FAULT FINDING: LABOUR

When repairs to a traffic signal installations are required other than the work described above (even when minimal parts or material is used), the Contractor(s) will be required to execute such work on an hourly basis. The bided rates for such labour shall fully allow for travelling costs to and from the required traffic signal installation site and no separate payment will be made for travelling time.

C3.41 INSTALLATION OF THERMO-PLASTIC ROADMARKING

C3.41.1 SCOPE

This section covers the permanent marking of the road surface with white, yellow or red painted lines or symbols and retro-reflective road studs as indicated by the GDRT Project Manager.

All road markings for the control, warning, guidance or information of road users shall be applied in accordance with the provisions of the Road Traffic Act (Act 29 of 1989) and its regulations and SARTSM, except where otherwise indicated by the GDRT Project Manager.

The section provides technical details for the provision of labour, supervision, transport, specialized plant and tools, consumables required for the application of the roads markings.

C3.41.2 MATERIALS

Introduction

Road markings will be applied using hot-applied thermoplastic, standard road-marking paint and/or any approved alternative materials or products offered by the Bidder(s).

Thermoplastic material is applied hot with an appropriate hand or mechanical applicator. It sets on laying and forms a cohesive film by cooling. The GDRT will require the use of thermo-plastic material because of its good durability. On motorways and other high order roads, mechanical application will be required as it can be laid in long runs using motorised equipment with minimum disruption to traffic. **Hot-applied thermoplastic road marking materials**

Hot-applied plastic road-marking materials shall comply with the requirements of BSEN 1871 - Road Marking Materials - Physical Properties and Laboratory Tests. The binder shall be a plasticized synthetic resin and

the material shall be reflectorized by mixing in 20% by mass Class A glass beads. The colors to be used shall be bright white, yellow or red. The color of the yellow and red paint shall be as specified in SANS 731-1”

Skid resistance

All types of products offered shall have an acceptable skid resistance.

Colour

The colours to be used shall be bright white, yellow or red. The colour of the yellow and red road marking materials shall be as specified in SANS 731-1.

Retro-reflectivity

Retro-reflectivity is the ability of a white line to reflect light from a vehicle's headlights back to the driving position of a vehicle. The materials offered shall have at least 100 millicandelas per lux per square metre (mcd/lux/m^2), but preferably 250 mcd/lux/m^2 , at 7 days, and 200 mcd/lux/m^2 after 6 months.

The GDRT Quality Assurer may from time to time perform spot checks to ensure compliance with retro-reflectivity

Road studs

Road studs complying with the requirements of SABS 1442 will be supplied by the Contractor(s).

C3.41.3 STANDARDS APPLICABLE TO ROAD MARKING MATERIALS

BSEN 1436 - Road Marking Materials - Road Performance for Users

The standard specifies the performance for the road user of white and yellow road markings by retro-reflectivity, retro-reflectivity in wet conditions, skid resistance and luminance.

BSEN 1824 - Road Marking Materials: Road Trials

BSEN 1824 provides the methodology for testing the performance of road marking products, against the categories laid down in the specification. It gives guidance for conducting road trials for road marking materials intended for use in both permanent and temporary road marking. If required by the GDRT, the products offered by the Bidder(s) will be tested for performance using this standard as follows:

- i. Luminance factor, divided into performance classes
- ii. Retro-reflectivity, divided into performance classes
- iii. Skid resistance, divided into performance classes
- iv. Erosion, within a rating system framework
- v. Colour co-ordinates, where colours must match those within a colour box

The road trial report should cover other details such as the application rate for materials and drop on materials, the type of application and the type of road surface.

Trials will last for a minimum of twelve months and thereafter determined by the number of wheel passages. This trial system, is more reflective of "on road" conditions as the performance levels are set in relation to traffic volume rather than a set time interval.

If materials have already been tested against these standards, Bidder(s) should include such results.

C3.41.4 WEATHER LIMITATIONS

Road marking shall not be applied to a damp surface or at temperatures lower than 10°C, or when, in the opinion of the GDRT Quality Assurer, the wind strength is such that it may adversely affect the painting operations.

C3.41.5 MECHANICAL EQUIPMENT FOR APPLYING ROAD MARKINGS

The equipment shall consist of an apparatus for cleaning the surfaces, a mechanical road marking machine and all additional hand-operated equipment necessary for completing the work.

The machine shall be so designed that it will be capable of painting the road markings everywhere to uniform width with sides within the tolerances specified, without the thermo plastic running or splashing.

The machine shall further be capable of painting lines of different widths by adjusting the spray jets on the means or by means of additional equipment attached to the machine.

The machine shall be equipped with a device that will enable the driver to follow a target on the roadway or to follow previously placed lines. The machine shall be capable of adjusting the spacing of dotted lines in such a way that existing road markings can be reinstated.

The machine shall be capable of spraying at a speed of not less than 5,0 km/h and shall be provided with clearly visible warning flashing lights which shall always be in operation when the machine is on the road.

C3.41.6 SURFACE PREPARATION

Before any paint is applied, the road surface shall be clean and dry and completely free from any soil, grease, oil, acid or any other material which will be detrimental to the bond between the thermo plastic and the road surface. The surface where the road-marking materials are to be applied shall be properly cleaned by means of watering, brooming or compressed air if required.

Traffic markings shall be applied to new bituminous surfaces only after sufficient time has elapsed to ensure damage will not be caused to the painted surface by volatiles evaporating from the road surface.

Thermoplastic road marking material must be applied to a dry road surface, with no surface dampness, dew or subsurface wetness to ensure good adhesion. The ambient temperature shall be above 10°C or the temperature recommended by the Manufacturer.

C3.41.7 SETTING OUT THE ROAD MARKINGS

The dimensions and positions of road markings required by the GDRT shall be shown on the drawings provided by the contractor(s) or his consultant(s) and shall be in accordance with SARTSM.

In the case of new road markings, the lines, symbols, figures or marks shall be pre-marked by means of paint spots of the same colour as that of final lines and marks. These points shall be at such intervals as will

ensure that the traffic markings can be applied, and in no case shall they be more than 1,5 m apart. Normally spots of approximately 10mm in diameter should be sufficient.

After pre-marking the positions of the proposed road markings such as broken lines and the starting and finishing points of barrier lines shall be indicated on the road. These pre-markings shall be approved by the GDRT Project Manager prior to any painting operations being commenced.

The positions and outlines of special markings shall be produced on the road surface in chalk and shall be approved by the GDRT Project Manager before they are fixed in position.

C3.41.8 APPLICATION OF THERMO-PLASTIC PAINTS

Thermo-plastic paints shall be applied in accordance with the manufacturer's specification. Once heated to the correct temperature the thermoplastic becomes viscous and can be applied. The thermo-plastic shall be heated carefully to the optimum temperature as if over-heated it can become brittle and be more prone to wear and disintegration, as well as discolouring. The material shall therefore be heated to a maximum temperature specified by the manufacturer of the material. The GDRT may take random measurements of the temperature of the material.

It shall be applied at approximately 1.5mm to allow the thermoplastic to melt into the upper road surface filling all holes in porous surfaces, as it cools it firmly adheres to the road surface.

Before the material cools completely, additional glass beads may be applied if required by the GDRT Project Manager. As the marking wears, the glass beads within the thermoplastic mix will be exposed ensuring consistent retro-reflectivity throughout the life of the line.

C3.41.9 ROADSTUDS

The road studs shall be positioned and applied in accordance with the instructions of the GDRT Project Manager and SARTSM.

The road studs shall be fixed by means of an approved epoxy resin in accordance with the manufacturer's instructions, subject to such amendment methods as may be required by the GDRT Project Manager. The studs shall be protected against impact until the adhesive has hardened.

Before fixing the road studs the surfaces shall be thoroughly cleaned as specified in Clause B5.

C3.41.10 TOLERANCES

Road markings shall be applied to an accuracy within the tolerances given below:

a) Width

The width of lines and other markings shall not be less than the specified width, nor shall it exceed the specified width by more than 10mm

b) Position

The position of lines, letters, figures, arrows, retro-reflective road studs and other markings shall not deviate from the true position by more than 100mm in the longitudinal and 20mm in the transverse direction.

c) Alignment of markings

The alignment of the edges of longitudinal lines shall not deviate from the true alignment by more than 10mm in 15m.

d) Broken Lines

The length of segments of broken longitudinal lines shall not deviate by more than 150mm from the specified length.

C3.41.11 GENERAL

In broken lines the length of segments and the gap between segments shall be as indicated on the drawings provided by the GDRT Project Manager and in accordance with SARTSM.

Lines on curves whether broken or unbroken shall consist of chords but shall follow the correct radius.

C3.41.12 PROTECTION

After the paint has been applied, the traffic markings shall be protected against damage by traffic or other causes. The Contractor(s) shall be responsible for erecting, placing and removing warning boards, flags, cones, barricades, and other protective measures which may be necessary in terms of any statutory provision and/or as may be recommend SARTSM

C3.41.13 MEASUREMENT AND PAYMENT

Fixing Road studs

The unit of measurement for applying road studs shall be the actual number of road studs placed.

The Bid rate shall include full compensation for supply, fixing and transporting the material to site, providing labour and equipment, and for fixing and maintenance as specified. Distinction shall be made between fixing road studs by applying the epoxy resin with and without drilling 15mm holes in the surfacing before.

Setting out and pre-marking the lines

The unit of measurement for setting out lines (excluding traffic-island markings, lettering and symbols) shall be the kilometre of lines set out and marked. Where two or three lines are to be painted next to each other, the setting-out of lines shall be measured only once.

The Bid rate shall include full compensation for setting out and pre-marking the lines as specified, including all materials.

Reinstating existing road markings

The unit of measurement for re-painting the lines shall be a kilometre of each specified width of line and the quantity paid for shall be actual length of line painted in accordance with the instructions of the GDRT Project Manager and SARTSM, excluding the gaps in broken lines.

The unit of measurement for re-painting the lettering, symbols or traffic island markings shall be a square meter and the quantity to be paid for shall be the actual surface area of lettering, symbols

or traffic island markings complete. Distinction shall be made between the different types of lines, islands and colour of the markings.

The Bid rate per kilometre or per square metre as the case may be for reinstating the traffic markings shall include full compensation for supplying or transporting the material to site, providing the necessary labour and equipment, and for painting and protecting as specified.

In the case of hot-applied thermo-plastic paint or alternative road marking products offered by the Bid, the Bid rate shall also include full compensation for procuring and furnishing all material.

Removal of existing, temporary or permanent road markings

The unit of measurement shall be the square metre of existing road markings removed by means of sand blasting, water jetting / hydro blasting on the instruction of the GDRT Project Manager. Over-painting markings with black paint or bituminous solutions is not allowed.

The Bid rate shall include full compensation for sand, all plant, labour, consumables, water, cleaning of the road surface and all other costs involved.

C3.42 INSTALLATION OF ROAD TRAFFIC SIGNS

Scope

This section covers the erection of permanent road traffic signs alongside the carriageway, ramps and cross road at intersections and interchanges, at the locations indicated by the GDRT Project Manager.

All signs shall be erected in accordance with the provisions of the Road Traffic Act (Act 29 of 1989) and its regulations and SARTSM, except where otherwise indicated by the GDRT Project Manager.

The signs to be erected will be of the standard regulatory, warning and information signs including street name plates and route markers in accordance with SARTSM.

The section provides the technical details for the provision of labour, supervision, transport, specialized plant and tools, cement and minor consumables required for the installation of posts for road and traffic signs, including the excavation for bases for posts and where required casting of concrete bases.

Storage and handling

All road signs or parts of signs at the contractor's office or depot shall be so handled and so stored in a weather-proof storeroom as to prevent any damage and deformation.

All unpainted surfaces and steelwork shall be protected against corrosion.

All traffic signs shall be stored in a vertical position with a suitable protection on the sign face.

Excavation and backfilling

Excavations for the erection of road and traffic signs shall be made according to the GDRT Project Manager's requirements and the holes will typically have a minimum diameter of 300 mm and be 600 mm deep.

The footings for traffic sign poles shall be hand excavated.

The lifting and replacement of the various types of surfaces, i.e. interlocking blocks, concrete or asphalt may be required when excavating for road sign posts. The standard GDRT paving blocks are 60mm or 80mm thick grey interlocking concrete blocks. When excavations are made in lawn grass, the Contractor(s) shall carefully lift and preserve the grass and replant after backfilling and compaction of the holes.

If any specialised paving materials are encountered or where existing materials cannot be re-used, instructions and agreed rates in the form of a variation order from the GDRT Project Manager must be received by the Contractor(s) before lifting of the materials commences.

The item will be measured per number of complete excavated footings with dimensions as shown in the typical drawings, per type of sign.

The excavations shall to be backfilled with 20kg mix Crete thoroughly compacted at optimum moisture content in 100 mm thick layers to a minimum of 90% of modified AASHTO density for each excavation.

The item will be measured per number of completed footings and the rate shall allow for all labour, tools and materials. The rate shall include cutting and lifting of the existing surface, stock piling of re-usable material, removal of spoil material and reinstatement of the shoulder surface by reusing existing material or providing new material.

Erecting Road and Traffic Signs

Position and placement of signs

Road signs shall be erected in the positions indicated by the GDRT Project Manager in accordance SARTSM.

Unless otherwise specified the road signs should be located on the left hand side of the road, or if mounted overhead as close as possible to the centreline of lanes(s) to which they apply. Only duplicate signs may be placed on the right hand side of the road for extra emphasis and in particular on one-way roadways.

Signs and their supports should as far as possible be positioned so as not to obstruct sidewalks.

Sign supports should be sited to minimise risks to road users.

The lateral off-set of road signs from the edge of the roadway or edge of the shoulder and recommended vertical mounting heights are given in SARTSM (particularly Figures 1.17 and 1.18 and Table 1.3 of SARTSM – Volume 1, Part 1).

Display Angle

Fully retro-reflective ground mounted signs, shall be mounted so that the sign face is angled at approximately 93° to the direction of travel. If located on the outside of a curve it shall be placed at 93° to the tangent of the curve for the expected point from where the sign will be read as shown in Figures 1.19 of SARTSM – Volume 1, Part 1.

If the road gradient, when approaching an overhead fully retro-reflective sign is at +2% or greater the vertical axis of the sign should be parallel to a plumb line. If the road gradient is less than +2% the sign should be aligned so that the vertical axis is inclined to face upward at a rate of 10mm per metre of vertical sign face of each 1% the road gradient differs from +2% as shown in Figures 1.18 of SARTSM – Volume 1, Part 1.

Erection

Traffic signs shall be erected as directed by the GDRT Project Manager. During erection the structural steelwork shall be firmly bolted and protected to prevent any buckling or damage being caused during erection or by the equipment used for erection.

Posts to which signs are to be fixed shall be vertical, and the undersides of signs shall be horizontal after having been erected.

Field welding

All welding done during erection shall be done in accordance with EN1011 which replaced BS 5135.

Bolts, nuts and rivets

Steel bolts and nuts shall conform with SANS 135 or SANS 1143. Aluminium nuts shall be manufactured from alloy B51S or D65S.

All steel bolts, nuts and washers shall have a hot-dip (galvanized) zinc coating that complies with the requirements of SABS 763 for coatings on Type C1 articles in the case of bolts and nuts and type A2 in the case of washers.

Protection and Maintenance

Damage or defects caused by faulty workmanship or negligence shall be made good by the Contractor(s), at his own cost, to the satisfaction of the GDRT Project Manager.

Measurement and Payment

Erection of Road and Traffic signs – Regulatory and Warning Signs (Single Posts)

The unit of measurement shall be the number (No) of signs erected in accordance with SARTSM and as specified by the GDRT. New signs to be erected will be supplied by the contractor(s) complete with clamps, brackets, washers and rivets.

The Bid rate shall include full compensation for riveting signs to posts with 6mm blind rivets, drilling of holes in sign supports to match the spacing of the rivet holes, painting of the exposed surface where galvanising removed with two coats of an approved SABS quick dry aluminium paint.

Excavation and Backfilling for Road and Traffic Sign Supports

The unit of measurement shall be the cubic metre (m³) of excavation measured in place per the neat dimension of the footings or excavations as directed by the GDRT and the rate shall allow for excavation in all types of material.

The rate shall include full compensation for the complete installation of the pole, backfilling the hole with 20kg bag mix Crete per pole footing and compacting it thoroughly at optimum moisture content in 100 mm thick layers to a minimum of 90% of modified AASHTO density.

The rate shall include full compensation for the supplying, additional cost of mixing and compacting the mix Crete.

The Bid rate shall include full compensation for the removal of paving material, lawn and/or concrete, if any, all equipment, tools, ladders, safety signs, barricades, the disposal of the surplus excavated soil, concrete and/or paving material, if any, at an approved dumping site at the expense of the Contractor(s).

The bid rate shall include compensation for planting of poles to a minimum depth of 600mm.

Extra-over for rock excavation

The unit of measurement shall be per hole excavated for sign supports to a minimum of 600mm deep and 600mm diameter, where rock had to be removed.

The rate provided by the Bidder(s) in the Schedule of Rates shall include full compensation for rock breakers, tools and equipment, the disposal of the rock at an approved dumping site at the Contractor(s) expense.

Replacing Concrete Paving Bricks

The unit of measurement shall be the square metre (m²) of concrete paving bricks supplied and installed. The standard paving blocks are 60mm or 80mm thick grey interlocking concrete blocks.

The Rate provided by the Bidder(s) in the Schedule of Rates shall include full compensation for all material, transport, 25 mm river sand bedding, grouting, cutting etc. and all other incidentals for the completion of the job.

Replacing Paving Bricks

The unit of measurement shall be the square metre (m²) of paving bricks supplied and installed.

The Rate provided by the Bidder(s) in the Schedule of Rates shall include full compensation for the supply of all material, bricks, 25 mm river sand bedding, grouting, cutting, and all other incidentals for the completion of the job

C3.43 TRAINING:

The main contractor shall be responsible for the training of students to complete their practical training to obtain their qualifications.

C4: SITE INFORMATION

All signalised intersections and or warranted intersections for new installation within Gauteng province under the jurisdiction of the Gauteng Department of Roads and Transport.

BILL OF QUANTITIES

A	B	C	D	E	F
MAINTENANCE, UPGRADES AND INSTALLATION OF TRAFFIC SIGNALS.					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	Protection, removal, realignment, and replacement of services:				
	(a) Traffic Signals:				
	(i) New Traffic Signal	-	Prov. Amount	Sum	
	(ii) Handling cost and profit in respect of sub-item B12.01(a)(i)	%	400000		
	(c) Other services:				
	(i) Relocation and protection of services	-	Prov. Amount	Sum	
	(ii) Handling cost and profit in respect of sub-item B12.01(c)(i)	%	300000		
B12.02	OHS ACT 2014: Health and Safety				
	(a) Contractors initial obligations in respect of the OHS Act and construction regulations	-	Lump Sum	Sum	
	(b) Contractors time-related obligation in respect of the OHS Act and construction regulations	Month	36		
	(c) Provision of a full-time Health and Safety officer	Month	36		
	(d) Submission of the Health and Safety file	-	Lump Sum	Sum	
B12.03	Commissioning of new or altered intersection and testing of operation	No	5000		
B12.04	Routine Maintenance				
	(i) Routine maintenance Weekdays 07:30 to 16:30.	Hours	500		
	(ii) Routine maintenance outside item B12.04 (i)	Hours	100		
	(iii) Routine maintenance, overhead poles including the use of lifting equipment Weekdays 07:30 to 16:30.	Hours	500		
	(iv) Routine maintenance, overhead poles including the use of lifting equipment outside item B12.04 (iii)	Hours	100		
	(v) Per occurrence weekdays 07:30 to 16:30.	no	100		
	(vi) Per occurrence outside item B12.04 (v)	no	100		
	(vii) Additional labour Weekdays 07:30 to 16:30.	Hours	100		
	(viii) Additional labour for hours outside item B12.04(vii)	Hours	100		

	(ix) Cutting of trees obscuring traffic signals or sight vision of intersection (Item to be approved by GDRT, before cutting may proceed)	hours	50		
	(x) Preparation of monthly maintenance records in the format to be provided but in line with SARTSM Volume 3 Chapters 28 and 30 amongst others	Month	36		
TOTAL CARRIED TO SUMMARY (Section 1200)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
B13.01	Contractor's general obligations				
	(a) Fixed obligations	-	Lump Sum	Sum	
	(c) Time-related obligations	Month	36		
B13.02	Delay Penalty	day			
B13.03	Provision of training to sub-contractors				
	(i) Providing and implementing training manual, methodology and training programme	-	Lump Sum	Sum	
TOTAL CARRIED TO SUMMARY (Section 1300)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
1500	ACCOMMODATION OF TRAFFIC				
B15.01	Accommodation of Traffic and maintaining temporary deviations:				
	(a) Traffic Signal – Cantilevers / Totems and Overhead connections	No	10		
	(b) Traffic Signal – Sleeve installations (Open Road excavations)	No	10		
	(c) Traffic Signal – Road markings	No	10		
	(d) Traffic Signal – Installation of detection equipment	No	10		
TOTAL CARRIED TO SUMMARY (Section 1500)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
2200	PREFABRICATED CULVERTS				
B22.01	Excavation				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1.5 m	m³	100		
	(ii) 1.5 m and up to 3.0 m	m³	100		
	(b) Extra over sub item 22.01(a) for excavation in hard material, irrespective of depth	m³	100		
B22.02	Backfilling:				
	(a) Using the excavated material	m³	100		
	(b) Using imported selected material	m³	100		
	(c) Extra over sub items 22.02 (a) and (b) for soil cement backfilling				
	(i) 3-5% cement	m³	10		
B22.17	Manholes, catchpits, precast inlet and outlet structures complete:				
	(a) Manholes (as per GDRT details)				
	(i) 1,0 m to 1,5 m deep	No	10		
	(ii) Exceeding 1,5 m and up to 3,0 m	No	10		
B22.23	Service Ducts:				
	(a) Ordinary pipes:				
	(i) 110 mm PVC ribbed sleeves (black)	m	100		
	(ii) 250 mm uPVC Sleeve for waterpipe	m	10		
B22.24	Duct markers				
	(a) Danger tape, 300mm above duct / cables	m	100		
B22.29	Horizontal drilling:				
	(a) 1 x 110mm (uPVC pipe) per drilling	m	100		
	(b) 1 x 250mm (uPVC pipe) per drilling	m	10		
	(c) 3 x 110mm (uPVC pipe) per drilling	m	10		
	(d) Extra over subitem B22.29(a) for drilling in hard material	m	10		
	(e) Extra over subitem B22.29(b) for drilling in hard material	m	10		
	(f) Extra over subitem B22.29(c) for drilling in hard material	m	10		
	(g) Sealing caps 110mm.	no	10		
	(h) Galvanized draw wire minimum 4mm².	m	50		
TOTAL CARRIED TO SUMMARY (Section 2200)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS				
B23.01	Concrete kerbing (20/19 in-situ)				
	Sloping kerb (To match existing adjacent kerbs)	m	10		
B23.02	Concrete kerbing-channelling combination				
	(a) Precast concrete barrier kerb with cast in-situ channel (20/19) (fig 3 SANS 927)	m	10		
	(b) Precast semi vertical kerb with channel (20/19) (fig 7 SANS 927)	m	10		
B23.05	Inlet, outlet, transition, and similar structures				
	Transition section and vehicle entrance	m	10		
TOTAL CARRIED TO SUMMARY (Section 2300)					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
3300	MASS EARTHWORKS				
B33.07	Removal of spoil material -				
	To dumping areas provided by Contractor	m³	100		
TOTAL CARRIED TO SUMMARY (Section 3300)					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
3800	BREAKING UP EXISTING PAVEMENT LAYERS				
B38.01	Excavate and removing existing bituminous material:				
	(b) Material to be disposed of with the average depth of excavation:				
	(ii) Exceeding 30mm but not exceeding 60mm	m²	100		
B38.08	Saw-cutting of asphalt, asphalt base, paving or concrete (50mm deep)	m	100		
TOTAL CARRIED TO SUMMARY (Section 3800)					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
4100	PRIME COAT				
41,01	Prime coat				
	(b)Quick-drying RTH1/4P tar prime	litre	100		
	(c) MC-30 Cut Back Bitumen (0,7l/m²)	litre	50		
TOTAL CARRIED TO SUMMARY (Section 4100)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
4200	ASPHALT BASE AND SURFACING				
42,02	Asphalt surfacing:				
	(a) 30mm Continuously Graded (medium) using 10/70 pen bitumen	m ²	100		
42,04	Tack coat of 30% stable grade emulsion (0,55l/m ²)	m ²	100		
42,2	Reinstatement of bituminous surfaced roads	m ²	100		
TOTAL CARRIED TO SUMMARY (Section 4200)					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
5100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
B51.04	Concrete pitching and block paving				
	(b) Segmental block paving:				
	(i) SANS approved 60mm paving blocks (Grey) laid in herringbone pattern on 20mm sand bedding	m ²	100		
	(ii) SABS approved 60mm fully interlocking paver on 20mm sand bedding	m ²	100		
	(e) Standard pedestrian blocks	No	100		
51,05	Concrete edge beams (25/19)	m ³	10		
B51.06	Solid concrete (1mx1mx0.1m) (20MPA)	m ²	100		
B51.08	The lifting of existing segmental paving and the re-laying of them				
	(a) Segmental block paving	m ²	100		
TOTAL CARRIED TO SUMMARY (Section 5100)					

ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
5400	GUARDRAILS (Related to traffic signals only)				
54,01	Guardrails on timber posts	m	10		
54,04	End units	No	10		
54,05	Additional guardrail posts				
	(a) Timber	No	10		
54,06	Reflector plates	No	10		
54,07	Removing existing guardrails	m	10		
54,09	Re-erection of guardrails with recovered and/or new material	m	10		
TOTAL CARRIED TO SUMMARY (Section 5400)					
ITEM NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (C) = (A) * (B)
5600	ROAD SIGNS (Related to traffic signals only)				
56,01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class 1 retro-reflective material, where the sign board is constructed from:				
	(d) Prepainted galvanized steel profiles (200 mm high chromadek or approved equivalent):				
	(ii) Area exceeding 2 m² but not 10 m²	m²	100		
	(e) Aluminium sheet regulatory warning and information signs				
	(i) Type W301 (900mm)	no	5		
	(ii) Type W301 (1200mm)	no	5		
	(iii) Type R4.1 (or 4.2 or 4.3)	no	5		
	(iv) Type R211 (or R212) 900mm	no	5		
	(v) Type ST signs	no	50		
	(vi) Type ST signs bracket	no	10		
	(vii) Type W413	no	5		
	(viii) Type R2.1	no	5		
	(ix) Type R103 (900mm)	no	5		
	(x) Type W402	no	5		
	(xi) Phase change or "3 phase" Chromadek 600mm x 600mm information sign	no	5		
56,02	Extra over item 56.01 for using:				
	(a) Background of retroreflective material				
	(i) Class I	m²	10		
	(b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
	(ii) Class III	m²	10		
B56.03	Road Signs Supports (Excluding overhead road sign structures). Complete with bolts, nuts and washers, shall have a dip (Galvanized) zinc coating to SANS				
	(a) Steel D – Shaped Galvanized				
	i) 75mm x 2mm wall thickness 1.8m long	no	10		
	ii) 75mm x 3.2mm wall thickness 3.2m long	no	10		
	iii) 75mm x 3.2mm wall thickness 4.2m long	no	10		
56,05	Excavation and backfilling for road sign supports	m	10		

	(i) 2 aspect heads (including, S10R, S10L, S11, S12, and S20)	No	100		
	(ii) 3 aspect heads (including, S1, S1B, S1T, S1A, S1AR, S1AL, S2, S3, S4)	No	100		
	(iii) 4 aspect heads (including S1(L), S5, S6, S7)	No	100		
	(iv) 5 aspect heads (including S8, S8B, S8T, S9, S9B, S9T, S13, S14)	No	100		
	(v) 6 aspect heads (S15)	No	10		
	(vi) Type Flasher (Warning Light)	no	5		
B56.23	Extra over for installation on:				
	(i) Totem (high) pole	no	5		
	(ii) Cantilever pole	no	10		
	(iii) Side mounting brackets (For S11 heads)	no	100		
B56.24	Re-assemble / Re-use existing and installation of Signal heads (All heads to be LED type)				
	(i) 2 aspect heads (including, S10R, S10L, S11, S12, and S20)	no	100		
	(ii) 3 aspect heads (including, S1, S1B, S1T, S1A, S1AR, S1AL, S2, S3, S4)	no	100		
	(iii) 4 aspect heads (including S1(L), S5, S6, S7)	no	100		
	(iv) 5 aspect heads (including S8, S8B, S8T, S9, S9B, S9T, S13, S14)	no	100		
	(v) 6 aspect heads (S15)	no	100		
	vi) Type Flasher (Warning Light)	no	10		
	(vii) Pedestrian Push button	no	10		
	(viii) Pole Top Connectors	no	100		
B56.25	Supply and installation of Backing Boards (Background Screens) Item only for Re-assemble heads or maintenance of existing heads				
	(i) Solid type fibre glass or polymer (5 Aspect)	no	100		
	(ii) Split type fibre glass or polymer (4 Aspect)	no	100		
	(iii) Solid type fibre glass or polymer (3 Aspect)	no	100		
	(iv) Solid type fibre glass or polymer (2 Aspect)	no	100		
	(v) Chromadek directional screen, 3 aspect including directional arrow or lettering	no	10		
B56.26	Supply and installation of LED Clusters / Modules:				
	(i) Red Traffic	no	100		
	(ii) Amber Traffic	no	100		
	(iii) Green Traffic	no	100		
	(iv) Red Pedestrian	no	100		
	(v) Green Pedestrian	no	100		
	(vi) Amber Arrow	no	50		
	(vii) Green Arrow	no	50		
B56.27	Supply and installation of LED bezel complete with visor, lens, screws and split pins for:				
	(i) Red Traffic	no	100		
	(ii) Amber Traffic	no	100		
	(iii) Green Traffic	no	100		
	(iv) Red Pedestrian	no	100		
	(v) Green Pedestrian	no	50		
	(vi) Amber Arrow	no	50		

	(ii) Dual channel	no	10		
	(iii) Base 11 pin for flasher unit, relay or detector	no	10		
B56.80	Supply and Installation of Backup batteries:				
	(i) 12Volt 2.3 amp per hour	no	5		
	(ii) Delta CPU: DVP 12SA Backup battery – 3,6V (battery only)	no	10		
	(iii) Li-Ion Battery for 3G router	no	5		
B56.81	(i) Extra over items not covered in items 56.01 to 56.80 (i.e. New Technologies and amended technologies)	-	Prov Amount	Sum	
	(ii) Handling cost and profit in respect of sub-item B56.81 (i)	%	550000		
B56.82	Site Establishment measured once per construction site only. (Item to be used in Civil related Items)	no	100		
B56.83	Application for wayleave.	no	10		
B57.84	Certificate of compliance (COC) for electrical installations.	no	100		
B56.85	Disassembling of traffic signal heads				
	(i) Disassembling of traffic signal heads and remove from site to the Yard of the Electrical Department or to a location indicated by the Engineer	no	10		
	(ii) Disassembling of traffic signal heads for re-use on the same intersection	no	10		
B56.86	Removal of Concrete footings, including excavation and re-instatement of ground to natural ground level, of -				
	(i) Standard pole	no	10		
	(ii) Totem (high) pole	no	10		
	(iii) Cantilever	no	10		
B56.87	Removal of poles from site to specified GDRT storage location indicated by the Engineer for -				
	(i) Standard pole, including unbolting the pole from the steel frame	no	10		
	(ii) Totem (high) pole, including unbolting the pole from the steel frame	no	10		
	(iii) Cantilever pole including unbolting the pole from the steel frame	no	10		
B56.88	Extra over items B56.87 for cutting the steel frame at the top of the concrete footing and re-instatement of the area to the natural ground level	no	10		
B56.89	Removal of controller				
	(i) Disconnecting and removal to a site indicated by the Engineer	no	10		
B56.92	Supply of Traffic Signal Timing Plan Design for a traffic signal installation, signed by a registered professional engineer as and when required	no	10		

B56.93	Supply of Traffic Signal Layout Plan Design for a traffic signal installation, signed by a registered professional engineer as and when required	no	10		
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C3.44.4	IINNOVATIVE SMART MATERIAL USE.				

5700	ROAD MARKINGS				
57,02	Retro-reflective road-marking paint				
	(i) White lines				
	1) White lines (broken or unbroken) 100 mm wide	km	5		
	2) White lines (broken or unbroken) 150 mm wide	km	5		
	3) White lines (broken or unbroken) 200 mm wide	km	5		
	4) White lines (broken or unbroken) 300 mm wide	km	5		
	(ii) Yellow lines				
	1) Yellow lines (broken or unbroken) 100 mm wide	km	5		
	2) Yellow lines (broken or unbroken) 150 mm wide	km	5		
	(iii) White lettering and symbols	m ²	50		
	(iv) Yellow lettering and symbols	m ²	50		
	(v) Traffic-island markings (any colour)	m ²	50		
	(vi) Kerb markings (any colour)	m ²	50		
B57.10	Proprietary brand plastic road marking material (thermo plastic)				
	(i) White lines				
	1) White lines (broken or unbroken) 100 mm wide	km	5		
	2) White lines (broken or unbroken) 150 mm wide	km	5		
	3) White lines (broken or unbroken) 200 mm wide	km	5		

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

	4) White lines (broken or unbroken) 300 mm wide	km	5		
	(ii) Yellow lines				
	1) Yellow lines (broken or unbroken) 100 mm wide	km	5		
	2) Yellow lines (broken or unbroken) 150 mm wide	km	5		
	(iii) White lettering and symbols	m²	50		
	(iv) Yellow lettering and symbols	m²	50		
	(v) Traffic-island markings (any colour)	m²	50		
	(vi) Sandblasting	m²	50		
B57.11	Setting out and pre-marking lines as required.	no	50		
TOTAL CARRIED TO SUMMARY (Section 5700)					

SUMMARY OF BILL OF QUANTITIES

SECTION	AMOUNT
SECTION 1200	
SECTION 1300	
SECTION 1500	
SECTION 2200	
SECTION 2300	
SECTION 3300	
SECTION 3800	
SECTION 4200	
SECTION 5100	
SECTION 5400	
SECTION B	
SECTION C	
SECTION 5700	
SUB-TOTAL	
VAT 15%	
GRAND TOTAL CARRIED FORWARD TO FORM OF OFFER	



INTEGRITY PACT FOR BUSINESSES

FIGHTING CORRUPTION, PROMOTING INTEGRITY

Part C2: Pricing Instructions Reference No. DRT 03/10/2025

1. INTRODUCTION

This agreement is part of the tender document, which shall be signed and submitted along with the tender document. The Chief Executive Officer of the bidding company or his/her authorised representative shall sign the integrity pact. If the winning bidder has not signed this integrity pact during the submission of the bid, the tender/proposal shall be disqualified.

2. OBJECTIVES

Now, therefore, the Gauteng Provincial Government and the Bidder agree to enter into this pre-contract agreement, hereinafter referred to as an integrity pact, to avoid all forms of corruption by following a system that is fair, transparent, and free from any influence/unprejudiced dealings before, during and after the currency of the contract to be entered, with a view to:

2.1 Enable the Gauteng Provincial Government to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works, goods and services; and

2.2 Enable bidders to abstain from bribing or any corrupt practice to secure the contract by assuring them that their competitors will refrain from bribing and other corrupt practices and the Gauteng Provincial Government will commit to preventing corruption, in any form by their officials by following transparent procedures.

3. GOVERNANCE

3.1 The integrity pact seeks to ensure that both parties comply with all applicable provincial, national, continental, and international laws and regulations regarding fair competition and anti-corruption.

4. ENVIRONMENT

4.1 The integrity pact requires that both parties comply with all applicable environmental, health, and safety regulations.

5. PROTECTION OF INFORMATION

5.1 The integrity pact seeks to ensure that both parties undertake to protect the confidentiality of information. Each party, when given access to confidential information as part of the business relationship should not share this information with anyone unless authorised.

6. REPUTATION

6.1 The Gauteng Provincial Government wants to work with bidders who are proud of their reputation for fair dealing and quality delivery.

6.2 The Gauteng Provincial Government wants to ensure that working with government is reputation enhancing for the supplier.

6.3 The Gauteng Provincial Government expects bidders/suppliers to be protective of government's reputation, and ensure that neither they, nor any of their partners or subcontractors, bring government to disrepute by engaging in any act or omission which is reasonably likely to diminish the trust that the public places in government.

6.4 The Gauteng Provincial Government further requires its bidders/suppliers to always adhere to ethical conduct even outside their contractual obligation with the Gauteng Provincial Government.

7. VALUES OF THE GAUTENG PROVINCIAL GOVERNMENT

7.1 The value system of the Gauteng City Region is shown below:

GAUTENG CITY REGION VALUES SYSTEM	
CORE VALUES	ETHICAL VALUES
Patriotism	Integrity
Purposefulness	Accountability
Team focused	Dignity
Integrity	Transparency
Accountability	Respect
Passionate	Honesty
Activism	

7.2 The Gauteng Provincial Government commits to ensure that the values system is embedded into the day-to-day operations of its institutions.

8. COMMITMENTS OF THE GAUTENG PROVINCIAL GOVERNMENT

The Gauteng Provincial Government commits itself to the following:

8.1 The GPG commits that its officials will at all times conduct themselves in accordance with Treasury Regulations 16A.81, copy of which is attached marked Annexure A, and that:

8.1.1 The GPG is committed to doing business with integrity and proper regard for ethical business practices.

8.1.2 The GPG hereby undertakes that no official of the GPG, connected directly or indirectly with the contract will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour, or any material or immaterial benefit or any other advantage from the bidder, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

8.1.3 The GPG further confirms that its officials have not favoured any prospective bidder in any form that could afford an undue advantage to that bidder during the tendering stage and will further treat all bidders alike.

8.1.4 The GPG will during the tender process treat all Bidder(s) with equity.

8.1.5 All officials of the GPG shall report any attempted or completed violation of clauses to the following details:

	Gauteng Ethics Hotline	National Anti-Corruption Hotline
Toll-free number	080 1111 633	0800 701 701
SMS call-back	49017	N/A
E-mail	gpethics@behonest.co.za	nach@psc.gov.za
Fax	086 726 1681	0800 204 965
Website	www.thehotline.co.za	www.publicservicecorruptionhotline.org.za
Post	Chief Directorate: Integrity Management Private Bag X61 Marshalltown 2001	Public Service Commission Private X121 Pretoria 0001
Walk-in	Office of the Premier 55 Marshall Street Marshalltown Johannesburg 2001	Gauteng Provincial Office Public Service Commission Schreiner Chambers 6 th Floor 94 Pritchard Street Johannesburg

8.1.6 Following the report on the violation of the above clauses by the official(s), through any source, the GPG shall investigate allegations of such violations against the official or other role players and when justified:

- a) Take steps against such official and other role players (necessary disciplinary proceedings, and/or any other action as deemed fit, bar such officials from further dealings related to the contract process). In such a case, while an enquiry is being conducted by the Gauteng Provincial Government the proceedings under the contract would not be stalled.
- b) Inform the relevant Treasury of steps taken in 8.1.5(a) against such officials; and
- c) Report any conduct by such official and other role players that may constitute an offence to the South African Police Service.

9. COMMITMENTS OF THE BIDDERS

The bidder commits himself/herself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his/her bid or during any pre-contract or post contract stage to secure the contract or in furtherance to secure it and commits himself/herself to the following:

9.1 The bidder is committed to doing business with integrity and proper regard for ethical business practices.

9.2 The bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducements to any official of the Gauteng Provincial Government, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

9.3 The bidder further undertakes that he/she has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducements to an official of the Gauteng Provincial Government or otherwise in procuring the contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Gauteng Provincial Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Gauteng Provincial Government.

9.4 The bidder will not collude with other parties interested in the contract to preclude the competitive bid price, impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

9.5 The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

9.6 The Bidder(s)/Contractor(s) will, when presenting his / her bid, disclose any and all payments he /she has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

9.7 In case of sub-contracting, the Principal Contractor shall take the responsibility of adoption of Integrity Pact by the Sub-Contractor.

9.8 The bidder shall report any attempted or completed violation of clauses 9.1 to 9.7 including any alleged unethical conduct to the Gauteng Ethics Hotline (details are provided at clause 8.1.4).

9.9 The bidder (or anyone acting on its behalf) warrants that:

9.9.1 It has not been convicted by a court of law for fraud and/or corruption with respect to the procurement/tendering processes; and/or

9.9.2 It has not been convicted by a court of law for theft or extortion; and/or

9.9.3 It is not listed on the National Treasury's database of Restricted Suppliers or Register of Tender Defaulters.

10. SANCTIONS FOR VIOLATION

10.1 The breach of any aforesaid provisions or providing false information by employers, including manipulation of information by evaluators, shall face administrative charges and penal actions as per the existing relevant rules and laws.

10.2 The breach of the Pact or providing false information by the Bidder, or any one employed by him, or acting on his behalf (whether without the knowledge of the

Bidder), or acting on his/her behalf, shall be dealt with as per the provisions of the Prevention and Combating of Corrupt Activities Act (12 of 2004).

10.3 The Gauteng Provincial Government shall also take all or any one of the following actions, wherever required:

- To immediately call off the pre-contract negotiations without giving any compensation to the bidder. However, the proceedings with the other bidder(s) would continue.
- To immediately cancel the contract, if already awarded/signed, without giving any compensation to the bidder.
- To recover all sums already paid by the Gauteng Provincial Government.
- To cancel all or any other contracts with the bidders and GPG shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value.
- To submit the details of the bidder to the National Treasury to register on the database for tender defaulters.

11. CONFLICT OF INTEREST

11.1 A conflict of interest involves a conflict between the public duty and private interest (for favor or vengeance) of a public official, in which the public official has private interest which could improperly influence the performance of their official duties and responsibilities. Conflicts of interest would arise in a situation when any concerned members of both parties are related either directly or indirectly, or has any association or had any confrontation. Thus, conflict of interest of any tender committee must be declared in a prescribed form.

11.2 The bidder shall not lend or borrow any money from or enter any monetary dealings or transactions, directly or indirectly, with any member of the tender committee or officials of the Gauteng Provincial Government, and if he/she does so, the Gauteng Provincial Government shall be entitled forthwith to rescind the contract and all other contracts with the bidder.

12. LEGAL ACTIONS

12.1 The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

13. VALIDITY

13.1 The validity of this Integrity Pact shall cover the tender process and extend until the completion of the contract to the satisfaction of both the Gauteng Provincial Government and the bidder (service provider).

13.2 Should one or several provisions of the Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

GPG INTEGRITY PACT FOR BUSINESSES

BIDDER/SUPPLIER/SERVICE PROVIDER	
Signature of the CEO	
Full name of the CEO	
Tender number	
Date	