



CLUSTER

HUMAN SETTLEMENTS, ENGINEERING AND TRANSPORT

UNIT

ETHEKWINI TRANSPORT AUTHORITY

DEPARTMENT

Road Systems Management

PROCUREMENT DOCUMENT

GOODS / SERVICES

Documents are to be obtained, free of charge, in electronic format, from the [National Treasury's eTenders website](#) or the [eThekweni Municipality's website](#).

Tender No: 1T-29970

Title: SUPPLY AND DELIVERY OF TRAFFIC SIGNAL CONTROLLERS FOR A 24-MONTH PERIOD "AS AND WHEN" REQUIRED

CLARIFICATION MEETING AND QUERIES

Clarification Meeting:

A COMPULSORY clarification meeting will be held at 11:00, on 22/05/2025, at eThekweni Transport Authority, 30 Archie Gumede Place, Installation and Works Boardroom, First Floor, Durban. Email questions and answers will be consolidated and posted on eTenders/Municipal website for the benefit of all tenderers by 2025-06-10.

Queries can be addressed to:

General / Contractual: [Shanedren Chetty](#); Tel: 031-311-7676

Technical: [Shanedren Chetty](#); Tel: 031 311 7676; email: shanedren.chetty@durban.gov.za, SSS Queries: [Lindo Dlamini](#); Tel: 031 3227133/031 3227153; Email: Supplier.selfservice@durban.gov.za

DELIVERY OF TENDERS

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box **located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban** (and not any other municipal department), no later than:

Closing Date: Friday, 20 June 2025

Time: 11:00am

FACSIMILE, eMAIL or POSTED TENDERS WILL NOT BE ACCEPTED

Issued by:

ETHEKWINI MUNICIPALITY

Deputy Head: [Road Systems Management](#)

Issued: May 2025

Document Version: 24/02/2023(b)

NAME OF TENDERER:

Tender Price: R

VAT Registered: YES / NO
(circle applicable)

PROCUREMENT DOCUMENT (Goods / Services)

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SECTION 1: GENERAL INFORMATION

YOU ARE HEREBY INVITED TO TENDER FOR REQUIREMENTS OF THE ETHEKWINI MUNICIPALITY

TENDER No.: 1T-29970

DESCRIPTION: **SUPPLY AND DELIVERY OF TRAFFIC SIGNAL CONTROLLERS FOR A 24-MONTH PERIOD "AS AND WHEN" REQUIRED**

CLOSING DATE / TIME: Friday, 20 June 2025 at 11:00am

All tenders must be submitted on official tender documentation issued (in electronic format) by the eThekwini Municipality from:

- the National Treasury's eTenders website (<https://www.etenders.gov.za/>), or
- the eThekwini Municipality's website (<https://www.durban.gov.za/pages/business/procurement>).

Electronically downloaded documentation should be printed by the tenderer.

Tenderers are required to be registered on the **National Treasury Central Supplier Database (CSD)** as a service provider. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture.

Registration on the **eThekwini Municipality's Database** can be done via website: <https://ethekwinivendor.durban.gov.za/>

Tenderers should ensure that tenders are delivered timeously to the correct address as stated in the Conditions of Tender. If a tender is late, it will not be accepted for consideration.

The Municipality will consider a tender submitted in response to this request for tender to be an offer from your company to perform the supply on the basis of that tender. Accordingly, please review the attached General and Special Terms and Conditions which will form the basis for any supply arrangement entered into between the Municipality and your company.

The Municipality is seeking tenders from potential suppliers only and makes no representation or promise in relation to procuring work from a supplier or suppliers. The Municipality will not be responsible for any costs associated with preparing and submitting a tender.

The Municipality does not bind itself to accept the lowest or any tender. It reserves the right to accept the whole or any part of a tender to place orders. Bidders shall not bind the Municipality to any minimum quantity per order. The successful Tenderer (s) shall be bound to provide any quantities stipulated in the specification.

The successful tenderer will be required to fill in and sign a written Contract Form (MBD 7).

NB: NO TENDER WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE
(as defined in Regulation 44 of the Local Government: Municipal Supply Chain Management Regulations).

**THE FOLLOWING PARTICULARS MUST BE FURNISHED
(Failure to do so may result in your tender being disqualified)**

Name of Tenderer:

Postal Address:

Street Address:

E-Mail Address:

Telephone Number:

-

-

Cell phone Number:

Facsimile Number:

Circle Applicable

Is your entity registered on the **eThekweni Municipality's supplier database?**

YES / NO

- **If YES insert** your PR Number:

PR

Is your entity registered on the **National Treasury Central Supplier Database (CSD)?**

YES / NO

- **If YES, insert** your MAAA Number:

MAAA

Insert a SARS Tax Compliance Status PIN

.....

Is your entity VAT registered?

YES / NO

- **If YES insert** Vat Registration Number:

.....

Has a **Declaration of Municipal Fees** been submitted?

YES / NO

Has a **Declaration of Interest** (MBD 4) been submitted?

YES / NO

Has a **Declaration for Procurement Above R10 Million** (MBD 5) been submitted?

YES / NO

Has a **Preference Points Claim** (MBD 6.1) been submitted?

YES / NO

Has a **Declaration of Bidder's Past SCM Practices** (MBD 8) been submitted?

YES / NO

Has a **Certificate of Independent Bid Determination** (MBD 9) been submitted?

YES / NO

Are you the accredited representative in South Africa for the goods / services / works offered? **If YES, enclose proof** at the back of the tender submission.

YES / NO

Signature of Tenderer:

Date:

Name / Surname: (in block capitals)

Capacity under which
this tender is signed:

.....

SECTION 2 : CONDITIONS OF TENDER – (Goods / Services : June 2019)

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SPECIAL / ADDITIONAL CONDITIONS OF TENDER

STANDARD CONDITIONS OF TENDER (Goods / Services)

1. DEFINITIONS

General:

- (1) Defined words / phrases are printed in *Italic font*.
- (2) Definitions apply to the singular as well as the plural.
- (3) Any reference to the masculine gender shall be taken to include the feminine and any reference to the feminine gender shall be taken to include the masculine.
- (4) The words “bid” and “tender”, and “bidder” and “tenderer” can be used interchangeably.
- (5) All definitions as defined in the **General Conditions of Contract** are applicable to these **Standard Conditions of Tender**. These definitions include:
 - “Closing time”
 - “Contract”
 - “Contract Price”
 - “Corrupt practice”
 - “Countervailing duties”
 - “Country of origin”
 - “Day”
 - “Delivery”
 - “Delivery ex stock”
 - “Delivery into consignees store or to his site”
 - “Dumping”
 - “Force majeure”
 - “Fraudulent practice”
 - “GCC”
 - “Goods”
 - “Imported content”
 - “Local content”
 - “Manufacture”
 - “Order”
 - “Project site”
 - “Purchaser”
 - “Republic”
 - “SCC”
 - “Services”
 - “Supplier”
 - “Tort”
 - “Turnkey”
 - “Written” or “in writing”
- (6) **Bid or Tender:** The offer submitted in respect of an invitation to submit such an offer.
- (7) **Bidder or Tenderer:** An entity (company, close corporation, partnership, joint venture, sole proprietor) which submits a *bid/tender*.
- (8) **Municipality:** The eThekweni Municipality, as represented by the duly authorised delegate, official or committee.
- (9) **SCT:** Special Conditions of Tender (found in Section 3).
- (10) **Week:** A period of seven (7) consecutive *days*.
- (11) **Material Deviation:** A material deviation or qualification is one which, in the *Municipality’s* opinion, would:
 - (a) Detrimentially affect the scope, quality, or performance of the services or supply identified in the Scope;
 - (b) Significantly change the *Municipality’s* or the *Tenderer’s* risks and responsibilities under the contract; or
 - (c) Affect the competitive position of other *Tenderers* presenting responsive *tenders*, if it were to be rectified.

2. CONDITIONS OF TENDER & CONTRACT

The specification will be governed by the **Standard Conditions of Tender** (Goods and Services), **Special Conditions of Tender (SCT)**, **General Conditions of Contract (GCC)** (Government Procurement General Conditions (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010), the **Special Conditions of Contract (SCC)**, the **Occupational Health and Safety Act** (Act No. 85 of 1993), and the **eThekweni Code of Conduct**.

Complete Acceptance of Conditions

Unless otherwise expressly stipulated in a letter covering the *tender*, every *Tenderer* shall be deemed to have waived, renounced, and abandoned any conditions printed or written upon any stationery used for the purpose of, or in connection with, the submission of their *tender*, which are in conflict with the **General Conditions of Contract** and **Special Conditions of Contract**. *Tenderers* are advised that any *material divergences / qualifications* from the official Conditions or Specification will render their *tenders* liable to disqualification.

3. TENDER INFORMATION

(1) General

- (a) *Tenders* will be liable for rejection unless made out on the official tendering documentation.
- (b) Any alterations effected upon any of the tendering documents must be clearly shown by means of a hand written (black, non-erasable ink), or typed, entry and must be signed in full by the *Tenderer*. **The use of correction fluid is not permitted.**
- (c) *Tenderers* may submit alternative solutions that, in the *Tenderer’s* opinion, are to the *Municipality’s* advantage economically and technically. Full technical details of the alternative *tender(s)* shall be submitted with the tender documents. Alternative *tender(s)* shall be submitted separately.

(2) Obtaining Tender Documentation

All tenders must be submitted on official tender documentation issued, in electronic format, by the eThekweni Municipality. Electronically downloaded documentation (obtainable free of charge) should be printed and suitably bound by tenderer.

(3) Queries Relating to this Tender

Queries can be directed to the person / Department as stated in the **SCT**.

(4) Briefing Session (Clarification Meeting)

Details of the briefing session are stated in the **SCT**. Failure to attend a **compulsory** briefing session will invalidate the *tender*. *Tenderers* must sign the attendance list in the name of the tendering entity. *Tenders* will only be evaluated from those tendering entities appearing on the attendance list.

(5) Closing Date and Delivery of Tender Submissions

Sealed *tenders* made out on the enclosed Official Tender Form, which shall be signed by or on behalf of the *Tenderer*, and addressed to the City Manager, marked with the appropriate Tender number, must be placed in the **Tender Box** as stated in the **SCT** not later than the **date and time** as stated in the **SCT**, where after they will be opened publicly.

All tender documents **must** be placed directly into the Tender Box and should not be delivered to any other Municipal Department. *Bidders* are advised that *tenders* submitted by post, fax or email **will not** be considered. All couriered documents must be placed directly into the Tender Box and should not be delivered to any other Municipal Department.

Any *tender* received after the closing date and time stated for the receipt thereof **shall not** be accepted for consideration and shall be returned to the *Tenderer*.

(6) Tender Validity and Withdrawal of Tenders

Tenders must hold good until 16:00 of the 5th week following the date on which *tenders* are opened, or during such other period as may be specified in the **SCT**. The *Municipality* may, during the period for which *tenders* are to remain open for acceptance, authorize a *Tenderer* to withdraw their *tender* in whole or in part on condition that the *Tenderer* pays to the *Municipality* on demand, a sum of one thousand Rand (R1,000.00). The *Municipality* may, if it thinks fit, waive payment of such sum in whole or in part.

4. RETURNABLE SCHEDULES, FORMS, CERTIFICATES

Each *Tenderer* shall complete fully and accurately the following documents and submit these documents with the *tender*:

- (1) **Authority of Signatory:** In terms of Clause 4(5)(c) of the Conditions of Tender.
- (2) **Tax Compliance Status PIN / Tax Clearance Certificate:** SARS has introduced a new Tax Compliance Status System. Tenderers can submit a Tax Compliance Status PIN (TCS PIN) instead of an original Tax Clearance Certificate. This TCS PIN can be used by third parties to certify the taxpayer's real-time compliance status.
- (3) **Declaration of Municipal Fees:** Only those *Bidders* whose municipal fees are fully paid, or those that have concluded acknowledgement of debt agreements with the *Municipality*, are eligible to *tender*.
All *Bidders* must sign the Declaration of Municipal Fees returnable form, declaring that their municipal fees are in order or that acknowledgement of debt agreements have been concluded, and include the relevant account numbers in the declaration. Failure to include account numbers or sign will invalidate the *tender*. The completion of the declaration is also applicable to *Bidders* outside of the eThekweni Municipal Area.
- (4) **Declaration with respect to the Occupational Health and Safety Act:** Acceptance of undertaking in terms of the Occupational Health and Safety Act (Act 85 of 1993) and the relevant Regulations.

(5) Municipal Bidding Documents (which includes):

- (a) **MBD 4: Declaration of Interest:** All *Bidders* are to sign the Declaration of Interest wherein they declare any relationship that may exist with an official of the Municipality involved in the evaluation process.
Regulation 44 of the Supply Chain Management Regulations states that a Municipality or Municipal Entity may not make any award to a person:
 - (i) Who is in the service of the state;
 - (ii) If that person is not a natural person, of which any Director, Manager, Principal, Shareholder or Stakeholder is a person in the service of the state; or
 - (iii) Who is an advisor or consultant contracted with the Municipality or municipal entity.
 Should a contract be awarded, and it is subsequently established that Regulation 44 has been breached, the Municipality shall have the right to terminate the contract with immediate effect.
- (b) **MBD 5: Declaration for Procurement Above R10 Million (if applicable):** For all procurement expected to exceed R10 million (all applicable taxes included), tenderers must complete this questionnaire.
- (c) **MBD 6.1: Preference Points Claim Form:** For the awarding of Preference Points, *Bidders* are required to complete the attached MBD 6.1 form and return it with their tender submission. Failure on the part of a tenderer to complete and submit this form will be interpreted to mean that preference points for **Specific Goals** are not claimed.
The Municipality reserves the right to require of a tenderer, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the Municipality.
- (d) **MBD 8: Declaration of Bidders Past Supply Chain Management Practices Form:** This form serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- (e) **MBD 9: Certificate of Independent Bid Determination:** Section 4(1)(b)(iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms if it involves collusive tendering or tender rigging. In order to give effect to this, the Certificate of Bid Determination must be completed and submitted with the tender.

(5) **Official Tender Form** (see Section 9)**(a) Legal Status of Tenderer**

It is essential for the purpose of entering into a legal contract that *Bidders* state on the Official Tender Form, under "Name and Address of Tenderer ", their full legal status:

- (i) the full registered name of the company making a *tender*; or
- (ii) if the *Tenderer* is a person conducting business under a recognised trading name then:
 - State the name of the person(s);
 - State recognised trading name; and
 - State whether an owner, co-owner, proprietor, etc.

(b) Signing of Official Tender Form

Failure of a *Tenderer* to complete, in its entirety, and sign the Official Tender Form will invalidate the *tender*.

(c) Authority of Signatory

Bidders are to complete and sign the Authority of Signatory returnable document, and attach the required additional documents.

(d) Differences or Discrepancies

Should there be any difference or discrepancy between the prices or price contained in the Official Tender Form and those contained in any covering letter from the *Tenderer*, the prices or price contained in the Official Tender Form shall prevail.

(6) **Any additional Schedules, Forms, or Certificates as stated in the SCT.**5. **INFORMATION TO BE SUPPLIED REGARDING SUB-CONTRACTORS**

Bidders are to state in their *tenders*, or covering letters, whether, if the contract were to be awarded to them, the whole of the work would be executed by them in their own workshop / factory. If the answer is in the negative, they are required to state which part(s) would be handed to sub-contractors and the name and address of such sub-contractors.

6. **SAMPLES**

Bidders may be required to state where samples of the full range of products can be inspected or be required to submit samples for inspection prior to the closing date of the *tender*.

7. **MANUFACTURERS**

The names of the manufacturers of the goods or equipment offered must be stated in the *tender*.

Bidders who are not manufacturers, accredited distributors, or agents must provide a valid agreement / Joint Venture Agreement, entered into with the manufacturer, accredited distributors, or agents, with their submission. This agreement must meet all the requirements as laid down in the *tender* document, and must cover the contract period.

8. **CLARIFICATION**

The Head: Supply Chain Management Unit, or an authorized representative, may request clarification or further information on any aspect of the *tender*. The *Tenderer must* supply the requested information within the time specified. Failure to comply will render the *tender* non-responsive.

9. **PRICING**

Bidders would be precluded from this *tender* if their pricing structure deviates from the Official Tender Form.

(1) **Nett Prices**

All prices shall be quoted in South African currency (Rand) after deduction of any brokerage or discount allowed to the Municipality.

(2) **Unit Prices**

Bidders shall quote only one price in respect of each item. Such price is to hold good for the full duration of the contract period, being subject to variation only in accordance with specified criteria, as stated in the **Conditions of Contract**.

(3) **Firm Tenders**

Bidders may submit firm prices for each 12 month period. These prices shall be free from all fluctuations, including any statutory increases.

(4) **Value Added Tax (V.A.T)**

Prices exclusive and inclusive of VAT must be stated separately on the Official Tender Form.

10. **ESTIMATED QUANTITIES**

The estimated quantities are set out in Section 8 : Bill of Quantities / Schedule of Rates/Activities which forms part of the official tender documents. The quantities are stated purely for the information of the *Bidders* and are in order to ascertain an estimated total contract price. The *Supplier* will, however, be bound to supply whatever quantity or quantities the *Municipality* may actually require, and may exceed, or be less than, the estimated quantities stated.

11. **DELIVERY, RISK, PACKAGES, ETC**

- (1) Unless otherwise provided, all goods are to be supplied only against the form of order issued by the *Municipality*.
- (2) *Bidders* shall quote a unit price which shall include delivery to the specified delivery point, as stated in the **SCT**.
- (3) The risk in all goods purchased by the *Municipality* under the contract shall remain with the *Supplier* until such goods shall have been duly delivered.
- (4) *Bidders* shall clearly state the period within which delivery will be made after receipt of the official order, as this may be material in the adjudication of the *tender*.

12. RATES OF EXCHANGE

- (1) Where the goods are imported the *Supplier* shall, within seven days of date of official Purchase Order, arrange through their bankers for the foreign commitment to be covered forward down to the Rand in order to fix the rate of exchange. The *Supplier* shall notify the *Municipality* as soon as possible thereafter regarding the rate which has been fixed on such forward exchange.

Any increase or decrease between the basic rate of exchange as at a date seven days prior to the date of closing of *tenders* and that existing at the date of establishment of the forward exchange cover within the period stipulated above shall be paid or deducted by the Municipality. Upon the failure of the *Supplier* to arrange forward exchange cover, the *Supplier* shall be liable should there be any increase in the basic rate of exchange occurring after the last mentioned date.

The bank charges incurred in obtaining the forward exchange cover shall be for the *Municipality's* account.

- (2) The *Supplier* shall on request:
- Submit documentary proof of the rate of exchange; and
 - When an adjustment is claimed in terms of this sub-clause, whether by the *Supplier* or the *Municipality*, submit documentary proof to the satisfaction of the Deputy City Manager: Treasury in respect of such claim.

13. IMPORT PERMITS

- (1) In order to minimise special importation, *Bidders* should, where possible, have recourse to local suppliers and / or manufacturers.
- (2) *Bidders* must state whether their *tender* is dependent upon the issue of a special import permit or whether they are able to supply the goods by making use of the import facilities available to them.
- (3) In the event of a tender being dependent upon the issue of a special import permit, application for such special import permit shall be made by the Tenderer, unless otherwise provided for in the *SCT*.

14. EVALUATION PROCESS

The procedure for evaluation of responsive Tender Offers will be in accordance with the eThekweni Municipality's current SCM Policy and the Preferential Procurement Policy Framework Act (5 of 2000), and the Preferential Procurement Policy Framework Act Regulations (November 2022).

Details of additional evaluation criteria, if applicable, are stated in the *SCT*.

Evaluation points for price and preference will only be calculated for *Bidders* who comply with the contractual and technical specification, and if applicable, have attained the minimum Functionality Score as stated in the *SCT*.

The evaluation process of responsive *tenders* will be as follows:

- Score each *tender* in respect of the financial offer made and preferences claimed (if any);
- Calculate the total number of evaluation points (T_{EV}) in accordance with the following formula:
 $T_{EV} = N_{FO} + N_P$ where: N_{FO} : is the number of evaluation points awarded for the financial offer; and N_P : is the number of evaluation points awarded for preferences claimed.
- Rank *tenders* from the highest number of evaluation points to the lowest.
- Recommend the *Tenderer* with the highest number of evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- Rescore and re-rank all *Bidders* should there be compelling and justifiable reasons not to recommend the *Tenderer* with the highest number of evaluation points, and recommend the *Tenderer* with the highest number of evaluation points, unless there are compelling and justifiable reasons not to do so, and the process set out in this sub-clause is repeated.

(1) Evaluation points awarded for the financial offer:

Reference is to be made to the Special Conditions of Tender (*SCT*), and returnable form 5(c) in Section 4.

INCOME-GENERATING CONTRACTS

The financial offer will be scored using the formula:

$$N_{FO} = W \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

GOODS and SERVICES

The financial offer will be scored using the formula:

$$N_{FO} = W \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where the value of W is:

- (a) **90** where the financial value inclusive of VAT of all responsive *tenders* received have a value in excess of R 50,000,000; OR
- 80** where the financial value inclusive of VAT of one or more responsive *tenders* offers have a value that equals or is less than R 50,000,000.
- It is unclear** (at the time of advertising) which of the two preference point systems applies. Either the 80/20 or 90/10 preference point system will apply, determined by the price offered by the lowest acceptable tender.

(b) **P_{max}** is the comparative offer of the most favourable comparative offer (highest acceptable tender).

(c) **P_{min}** is the comparative offer of the most favourable comparative offer (lowest acceptable tender).

(d) **P_t** is the comparative offer of the *tender* offer under consideration.

(2) Evaluation points awarded for preference:

The **Specific Goals** for Preference Points are specified in the *SCT*.

15. BRIBERY AND COMMUNICATION WITH COUNCILLORS / OFFICIALS

(1) Bribery

No *Tenderer* shall offer, promise or give to any person or person connected with a *tender* or the awarding of a contract, any gratuity, bonus or discount etc, in connection with the obtaining of a contract.

(2) Communication, Councillors and Officials

A *Tenderer* shall not in any way communicate with a member of the *Municipality* or with any official of the *Municipality* on a question affecting any contract for the supply of goods or for any work, undertaking or services which is the subject of a *tender* during the period between the closing date for receipt of *tenders* and the dispatch of the written notification of the *Municipality's* decision on the award of the contract; provided that a *Tenderer* shall not hereby be precluded:

- (a) At the request of the Head: SCM Unit, or an authorized representative, from furnishing him with additional information or with a sample or specimen for testing purposes or otherwise from giving a demonstration so as to enable the recommendation to the Bid Committee on the award of the contract to be formulated;
- (b) From obtaining from the Head : SCM Unit, or an authorised representative, information as to the date upon which the award of the contract is likely to be made, or, after the decision upon the award has been made by the *Municipality* or any Committee to which the *Municipality* has delegated its powers, information as to the nature of the decision or such information as was publicly disclosed at the opening of *tenders* or from submitting to the Accounting Officer in writing any communication relating to their *tender* or the award of the contract or a request for leave to withdraw their *tender*; and
- (c) Provided further that nothing contained herein shall be construed so as to prevent information being sought and obtained from an Official in regard to any decision taken at an open Municipal meeting, or any Committee to which the *Municipality* has delegated its powers.

A contravention of subsection (1) and / or (2), or an attempt to contravene such subsection, shall be reported to the Accounting Officer, who may on receipt of such report disqualify the *tender* of the *Tenderer* concerned.

16. NEGOTIATIONS WITH PREFERRED BIDDERS

The *Municipality* reserves the right to invoke Regulation 24 of Municipal Finance Management Act if required.

- (1) The Accounting Officer may negotiate the final terms of a contract with *Bidders* identified through a competitive tendering process as preferred *Bidders*, provided that such negotiation:
 - Does not allow any preferred *Tenderer* a second or unfair opportunity;
 - Is not to the detriment of any other *Tenderer* ; and
 - Does not lead to a higher price than the *tender* as submitted.
- (2) Minutes of such negotiations must be kept for record purposes.
- (3) Such negotiation may be delegated by the Accounting Officer.

17. CANCELLATION OF TENDER PROCESS

The municipality is entitled to cancel the tender at any time before the award of a tender and the decision to cancel the tender shall be published in the same manner in which the original tender invitation was advertised. The Municipality shall, in no way, be liable for any damages whatsoever, including, without limitation, damages for loss of profit, in any way connected with the cancellation of this bid.

18. ACCEPTANCE OF BID

- (1) The *Municipality* does not bind itself to accept the lowest or any *tender*, and reserves the right to accept the whole or any part of a *tender* to place orders.
- (2) The *Municipality* reserves the right to accept more than one technically and contractually compliant *tender* for part or the whole of the contract and to place orders on the price and availability.
- (3) *Bidders* shall not bind the *Municipality* to any minimum quantity per order.
- (4) The successful *Tenderer* (s) shall be bound to provide any quantities stipulated in the specification.
- (5) Tenders will only be accepted on condition that:
 - (a) The *tender* is signed by a person authorised to sign on behalf of the *Tenderer* .
 - (b) A valid (at time of close of tenders), original, Tax Clearance Certificate OR Tax Compliance Status PIN is included with the *tender* submission. Both should have sufficient validity to ensure the process is adequately covered;
 - (c) A *Tenderer* who submitted their *tender* as a Joint Venture has included an acceptable Joint Venture Agreement and a B-BBEE Certificate pertaining to the Joint Venture with their *tender*.
- (6) Financial Standing: The Head: Supply Chain Management reserves the right to require *Bidders* to submit evidence that their financial standing is adequate to meet their obligations under the contract should they be successful.
- (7) Change of Ownership or Major Policy: Where it is known to a *Tenderer* that a change in ownership or major policy (of the tendering entity) will occur, or is likely to occur, during a specified contract period, the scope and effect thereof must be fully defined in a covering letter to be submitted with the *tender*.
- (8) Purchase of Goods From Other Sources: Nothing contained in this contract shall be held to restrain the *Municipality* from purchasing from persons other than the *Supplier*, any of the goods described or referred to in this contract, if it shall in its discretion think fit to do so.
- (9) Capability and Breach of Contract: Tenderers that do not have the capability of undertaking this enquiry in terms of the requirements of the contract or have been in breach of contract previously will not be considered.

19. PAYMENT and FACTORING

Payment conditions will be as per the **Conditions of Contract**.

Payment will be made only to the *Supplier(s)*. Factoring arrangements will not be accepted.

20. APPEALS

In terms of Regulation 49 of the Municipal Supply Chain Management Regulations persons aggrieved by decisions or actions taken by the *Municipality*, may lodge an appeal within 14 days of the decision or action, in writing to the *Municipality*. The appeal (clearly setting out the reasons for the appeal) and queries with regard to decision of award are to be directed to the office of the City Manager, attention:

Ms. S. Pillay, P.O. Box 1394, Durban, 4000;
eMail: Simone.Pillay@durban.gov.za.

SECTION 3: SPECIAL / ADDITIONAL CONDITIONS OF TENDER

3.1 SPECIAL CONDITIONS OF TENDER (SCT)

The **Standard Conditions of Tender** (Goods / Services) make several references to the **Special Conditions of Tender** (SCT) for details that apply specifically to this tender. The **Special Conditions of Tender** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Standard Conditions of Tender**.

Each item below is cross-referenced to the clause in the **Standard Conditions of Tender** to which it mainly applies.

SCT 3(1) TENDER INFORMATION: General

The tender document comprises of a cover page and 72 pages.

SCT 3(2) TENDER INFORMATION: Obtaining Tender Documentation

Documents are issued by the eThekweni Municipality electronic format.

Electronically downloaded documentation is obtainable from:

- the National Treasury's eTenders website
 - (<https://www.etenders.gov.za/>), or
- the eThekweni Municipality's website
 - (<https://www.durban.gov.za/pages/business/procurement>).

The entire document should be printed on A4 paper (one sided), and suitably bound by the tenderer.

SCT 3(3) TENDER INFORMATION: Queries Relating to this Tender

General and Contractual Queries are to be directed to:

Shanedren Chetty; Tel: 031-311-7676

Technical Queries are to be directed to:

**Shanedren Chetty; Tel: 031 311 7676; email: shanedren.chetty@durban.gov.za, SSS
Queries: Lindo Dlamini; Tel: 031 3227133/031 3227153; Email:
Supplier.selfservice@durban.gov.za**

SCT 3(4) TENDER INFORMATION: Briefing Session

A COMPULSORY clarification meeting will be held at 11:00, on 22/05/2025, at eThekweni Transport Authority, 30 Archie Gumede Place, Installation and Works Boardroom, First Floor, Durban. Email questions and answers will be consolidated and posted on eTenders/Municipal website for the benefit of all tenderers by 2025-06-10.

SCT 3(5) TENDER INFORMATION: Closing Date and Delivery of Tender Submissions

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box **located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban** (and not any other municipal department), no later than: **Friday, 20 June 2025 at 11:00am.**

Bidders must submit a “hard copy” submission to the Tender Box located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban and an electronic submission via SSS. Bidders must ensure that the hard copy and electronic submission are the same, failing which the submission will be deemed invalid. Bidders are responsible for resolving all access rights and submission queries before the tender closing date.

SCT 3(6) TENDER INFORMATION: Tender Validity and Withdrawal of Tenders

Tenders must hold good for 120 days following the date on which tenders are opened.

SCT 4(6) RETURNABLE SCHEDULES, FORMS, CERTIFICATES

The additional returnable schedules, forms, which can be found in Section 10, are:

• Product Track Record	59
• Health and Safety	60
• Statement of Compliance	63

SCT 6 SAMPLES

The tenderer must supply a fully operational sample of the tendered goods listed below, on loan and at no charge to the eThekweni Municipality, for evaluation by The Engineer, within 7 working days from the closing date of the tender.

- 1. Supply 8 Phase Traffic Signal Controller complete with plinth mount cabinet and vandal resistant bracket** (BOQ Item 3 – including the gland plate, fasteners and rubber gasket)

Samples must be delivered to the ETA's Installation and Works Branch at 30 Archie Gumede Place, Durban.

Contact Person: Shanedren Chetty 031 311 7676 / Sikhumbuzo Eric Thusi 031 322 7384

Failure to submit samples will deem the tender as non-responsive.

Samples belonging to unsuccessful tenderers may be collected from the Engineer, Installation and Works Branch, 30 Archie Gumede Place within 90 days after the award of the tender. Samples not collected within this period will become the property of the eThekweni Municipality at no charge.

SCT 9(2) PRICING

Bidders shall submit bid prices, in South African Currency, on the Bid Form for the estimated quantities. For goods that are imported the Standard conditions of Tender SCT 12 applies.

SCT 11(2) DELIVERY, RISK, PACKAGES, ETC

The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

The supplier shall avoid the use of polystyrene packing materials due to their environmental impact. Instead, efforts should be made to use environmentally friendly alternatives such as recyclable, biodegradable, or reusable materials that provide adequate protection during transit.

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

The specified delivery point is:

Installation & Works Workshop

First Floor

Installation and Works Branch Building (ETA)

30 Archie Gumede Place (formerly Old Fort Place)

Durban

SCT 14 **EVALUATION PROCESS**

Proposals will be evaluated by an evaluation panel appointed by the Employer.

Evaluation will be based on the most responsive tender, where it is economically viable, i.e. it must be both contractually and technically to specification.

Three stages will apply to the evaluation of tenders:

Stage 1: Administrative compliance:

- a) Tenders will be checked for responsiveness, including all forms correctly completed and requested documents provided.
- b) The Statement of Compliance (page 68) will be checked for completeness and additional information requested. Tenderers shall ensure that they complete the “comply/not-comply” column and provide extra information where requested to support their bid.

Stage 2: Technical compliance: Tenders shall achieve a pass for all the mandatory criteria listed in the table below to be considered for Stage 3. Any tenderer that does not meet any of the mandatory requirements will be deemed non-responsive.

Criteria	Sub-Criteria	Pass / Fail
Tenderer Experience	Identical controllers currently operating successfully in the field for more than 5 years (Clause 7.1.6)	
Existing controller	Controller available for demonstration during tender evaluation (Clause 7.1.8)	
Current users	Customer references supplied and verified (Clause 7.1.6)	
Specific Technical	Compliance with Standards and Regulations (Clause 7.2)	
Requirements	Compliance with all Environmental Requirements (Clause 7.3)	
	Compliance with General Requirements (Clause 7.4.2)	
	The controller shall include an auxiliary 24VDC 2.5 Amp option power supply (Clause 7.4.4)	
	All storage devices (e.g. flash memory devices) fixed or removable and any associated plugin sockets, shall be of industrial grade and specified for the environment (Clause 7.4.5)	
	Controller shall have a real time clock accurate to 1 sec/day or better (Clause 7.4.6)	

	The Controller shall provide all the facilities listed in Clauses 7.5.1 to 7.5.4	
	The controller shall be able to operate reliably on power in Durban (Clause 7.6)	
	The controller shall comply with all input requirements (Clause 7.7)	
	The controller shall comply with all output requirements (Clause 7.8)	
	The controller shall comply with all the safety requirements (Clause 7.9)	
	The controller cabinet shall comply with all the housing requirements (Clause 7.10)	
	The controller shall comply with the instation connection requirements including fibre and cellular communications with UTM2 compatibility (Clause 7.13)	
	The tenderer shall comply with the support service requirements (Clause 7.15)	
	The Tenderer shall undertake to maintain a spares holding for the controllers for 15 years from the date of award of this contract (Clause 7.16.3, SCC 14.1)	
	The tenderer shall comply with the Guarantee requirements (Clause 7.19)	

Stage 3: Tender Evaluation (Highest Score)

14.1 Price and Preference

The procedure for the evaluation of responsive tenders is **PRICE AND PREFERENCE** in accordance with the Employer's current SCM Policy, the Preferential Procurement Policy Framework Act (5 of 2000), and the Preferential Procurement Policy Framework Act Regulations (2022).

The **80/20** preference points system will be applied. The Formula used to calculate the **Price Points (max. 80)** will be according to that specified in Regulation 4.1.

14.2 Preference Point System and Specific Goals

The definitions as per the SCM Policy are applicable.

Preference Points (20) will be derived from points claimed on Returnable Document **MBD 6.1: "Preference Points Claim Form"** (in Section 4 of this procurement document) for the **Specific Goal(s)** as indicated on the table(s) below, and according to the specified **Goal Weightings**.

Ownership Goal

The tendering entity's **Percentage Ownership**, in terms of the **Ownership Category(s)** listed below, is to be used in the determination of the tenderer's claim for **Preference Points**.

Goal Weighting 70%			
Ownership Categories	Criteria	80/20	
Race: Black (100%)	0%	0	
	>0% and <51%	5.6	
	≥51% and <100%	11.2	
	100%	14	
Proof of claim as declared on MBD 6.1 (1 or more of the following will be used in verifying the tenderer's status) • Companies and Intellectual Property Commission registration document (CIPC) • CSD report. • B-BBEE Certificate of the tendering entity. • Consolidated B-BBEE Certificate if the tendering entity is a Consortium, Joint Venture, or Trust (Issued by verification agency accredited by the South African Accreditation System). • Agreement for a Consortium, Joint Venture, or Trust.			

RDP Goal: The promotion of South African owned enterprises

The tendering entity's **Address** (as stated on the National Treasury Central Supplier Database (CSD) or on the eThekweni Municipality Vendor Portal) is to be used in the determination of the tenderer's claim for **Preference Points** for this Specific Goal.

Goal Weighting 30%		
Location	80/20	
Not in South Africa	0	
South Africa	1.5	
Kwa Zulu Natal	3	
eThekweni Municipality	6	
Proof of claim as declared on MBD 6.1 (1 or more of the following will be used in verifying the tenderer's status) • CSD report		

3.2 ADDITIONAL CONDITIONS OF TENDER (ACT)**ACT 1 ELIGIBILITY – CSD REGISTRATION**

Tenderers are required to be registered on the National Treasury Central Supplier Database (CSD) as a service provider. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture. Tenderers not so registered, at time of closing of tenders, will not be eligible to submit tenders.

The Tenderer's CSD Supplier Number (starting with "MAAA") is to be provided on the information table in Section 1.

Tenderers who wish to register on the CSD may do so via web address <https://secure.csd.gov.za>.

ACT 2 COPIES OF CONTRACT

The number of paper copies of the signed contract to be provided by the Employer is **ONE (1)**.

SECTION 4: RETURNABLE TENDER DOCUMENTS

The required returnable documents are as detailed in [Section 2 \(Clause 4\)](#): “Returnable Schedules, Forms, Certificates” of the Conditions of Tender / Special Conditions of Tender.

- 1) Authority of Signatory
- 2) Tax Compliance Status PIN / Tax Clearance Certificate
- 3) Declaration of Municipal Fees
- 4) Declaration with respect to The Occupational Health and Safety Act
- 5(a) MBD 4: Declaration of Interest
- 5(b) MBD 5: Declaration for Procurement Above R10 Million
- 5(c) MBD 6.1: Preference Points Claim
- 5(d) MBD 8: Declaration of Bidder's Past Supply Chain Management Practices
- 5(e) MBD 9: Certificate of Independent Bid Determination

The Tender Form can be found in [Section 9](#): “Official Tender Form”, and any additional schedules, forms, certificates can be found in [Section 10](#): “Annexures”.

1) AUTHORITY OF SIGNATORY

Reference is made to the Conditions of Tender: [Clause 4\(5\)\(c\)](#).

Indicate the status of the tenderer by ticking the appropriate box hereunder.

COMPANY		CLOSE CORPORATION		PARTNERSHIP		JOINT VENTURE		SOLE PROPRIETOR	
Refer to Notes at the bottom of the page									

I / We, the undersigned, being the Chairperson (Company), Member(s) (Close Corporation), Partners (Partnership), Sole Owner (Sole Proprietor), Lead Partner (JV), in the company / business trading as:

.....

hereby authorise Mr/Mrs/Ms

acting in the capacity of

to sign all documents in connection with the tender for Contract No. [1T-29970](#) and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Notes

Tenderers are to include, at the back of their tender submission document, a printout of the following documents:

If a Company : a "Resolution of the Board" in this regard.

If a Joint Venture : a "Power of Attorney" signed by the legally authorised signatories of all the partners to the Joint venture.

2) TAX COMPLIANCE STATUS PIN / TAX CLEARANCE CERTIFICATE

SARS has introduced a new Tax Compliance Status System. Tenderers can submit a Tax Compliance Status PIN (TCS PIN) instead of an original Tax Clearance Certificate. This TCS PIN can be used by third parties to certify the taxpayer's real-time compliance status.

Separate Tax Clearance Certificates / TCS PINs are required for each entity in a Joint Venture.

The TCS PIN(s) are to be entered on the information table in **SECTION 1: GENERAL INFORMATION**.

Tenderers are to include, at the back of their tender submission document, a printout of their Tax Compliance Status PIN (TCS PIN) OR an original Tax Clearance Certificate.

Failure to include the required document will make the tender submission non-responsive.

*I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct, **and that the requested documentation has been included in the tender submission.***

NAME (Block Capitals):

Date

SIGNATURE:

3) DECLARATION OF MUNICIPAL FEES

I, the undersigned, do hereby declare that the Municipal fees of

.....
(full name of Company / Close Corporation / partnership / sole proprietary/Joint Venture)

(hereinafter referred to as the TENDERER) are, as at the date hereunder, fully paid or an Acknowledgement of Debt has been concluded with the Municipality to pay the said charges in instalments.

The following account details relate to property of the said TENDERER:

Account

Account Number: to be completed by tenderer.

Consolidated Account No.

--	--	--	--	--	--	--	--	--	--	--	--	--

Electricity

--	--	--	--	--	--	--	--	--	--	--	--	--

Water

--	--	--	--	--	--	--	--	--	--	--	--	--

Rates

--	--	--	--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--	--	--	--

I acknowledge that should the aforesaid Municipal charges fall into arrears, the Municipality may take such remedial action as is required, including termination of any contract, and any payments due to the Contractor by the Municipality shall be first set off against such arrears.

- Where the TENDERER'S place of business or business interests are outside the jurisdiction of eThekweni Municipality, a copy of the accounts/agreements from the relevant municipality must be attached (to the back inside cover of this document).
- Where the tenderer's Municipal Accounts are part of their lease agreement, then a copy of the agreement, or official letter to that effect is to be attached (to the back inside cover of this document).

Tenderers are to be include, at the back of their tender submission document, a printout of the above account's and or agreements signed with the municipality.

Failure to include the required document will make the tender submission non-responsive.

NAME (Block Capitals):

Date

SIGNATURE:

.....

.....

4) DECLARATION WITH RESPECT TO THE OCCUPATIONAL HEALTH AND SAFETY ACT

Definitions

The Act: The Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and any associated / applicable Regulations.

Declaration by Tenderer

1. I, the undersigned, hereby declare and confirm that I am fully conversant with the Act.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the work / supply / services under this contract in compliance with the Act, and the Employer's / Purchaser's / Client's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide on request a suitable and sufficiently documented Health and Safety Plan which plan shall be subject to approval by the Employer / Purchaser / Client.
4. I hereby confirm that adequate provision has been made in my tendered rates to cover the cost of all resources, actions, training and all health and safety measures envisaged in the Act, and that I will be liable for any penalties that may be applied by the Employer / Purchaser / Client for failure to comply with the provisions of the Act.
5. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer / Purchaser / Client will mean that I am unable to comply with the requirements of the Act and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer / Purchaser / Client.

NAME (Block Capitals):**Date****SIGNATURE:**

5(a) MBD 4: DECLARATION OF INTEREST**NOTES**

MSCM Regulations: “in the service of the state” means to be:

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

“Shareholder” means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

- 1 No bid will be accepted from persons **in the service of the state**.
- 2 Any person, having a kinship with persons **in the service of the state**, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to **persons in service of the state**, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
- 3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Name of enterprise

Name of enterprise’s representative

3.2 ID Number of enterprise’s representative

3.3 Position enterprise’s representative occupies in the enterprise

3.4 Company Registration number

3.5 Tax Reference number

3.6 VAT registration number

3.7 The names of all directors / trustees / shareholders / members / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below. In the case of a joint venture, information in respect of each partnering enterprise must be completed and submitted.

3.8 Are you presently in the service of the state?

If yes, furnish particulars:

.....

3.9 Have you been in the service of the state for the past twelve months?

If yes, furnish particulars:

.....

Circle Applicable

YES

NO

YES

NO

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?

YES

NO

If yes, furnish particulars:

.....

.....

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?

YES

NO

If yes, furnish particulars:

.....

.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?

YES

NO

If yes, furnish particulars:

.....

.....

3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?

YES

NO

If yes, furnish particulars:

.....

.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract?

YES

NO

If yes, furnish particulars:

.....

.....

- 4 The names of all directors / trustees / shareholders / members / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers must be indicated below. In the case of a joint venture, information in respect of each partnering enterprise must be completed and submitted

Full Name	Identity No.	State Employee No.	Personal income tax No.
Use additional pages if necessary			

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct.

NAME (Block Capitals):

Date

SIGNATURE:

5(b) **MBD 5: DECLARATION FOR PROCUREMENT ABOVE R10 MILLION**
(ALL APPLICABLE TAXES INCLUDED)

For all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire.

		Circle Applicable	
		YES	NO
1.0	Are you by law required to prepare annual financial statements for auditing?		
1.1	If YES, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.		
2.0	Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?	YES	NO
2.1	If NO, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.		
2.2	If YES, provide particulars.		
3.0	Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?	YES	NO
3.1	If YES, provide particulars.		
4.0	Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	YES	NO
4.1	If YES, provide particulars.		

If required by 1.1 above, tenderers are to include, at the back of their tender submission document, a printout of their audited annual financial statements.

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct, and, if required, that the requested documentation has been included in the tender submission.

NAME (Block Capitals):

Date

SIGNATURE:

5(c) MBD 6.1: PREFERENCE POINTS CLAIM
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

1.0 GENERAL CONDITIONS

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

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

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

1.3 Preference Points for this tender shall be awarded for:

- **Price and Specific Goals:** Either 80 or 90 (price) and 20 or 10 (specific goals), in terms of 1.2 above.
- The total Preference Points, for Price and Specific Goals, is 100.

1.4 Failure on the part of the tenderer to submit the required proof or documentation, in terms of the requirements in the (Special) Conditions of Tender for claiming **Specific Goal** preference points, will be interpreted that preference points for **Specific Goals** are not claimed.

1.5 The Municipality 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 of preferences, in any manner required by the Municipality.

2.0 DEFINITIONS

2.1 “**tender**” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation.

2.2 “**price**” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts.

2.3 “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes.

2.4 “**tender for income-generating contracts**” means a written offer in the form determined by Municipality 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 Municipality and a third party that produces revenue for the Municipality, 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.

2.5 “**the Act**” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3.0 FORMULA FOR CALCULATION OF PREFERENCE PRICE POINTS

3.1 PROCUREMENT OF GOODS AND SERVICES

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

<u>80 / 20 Points System</u>	OR	<u>90 / 10 Points System</u>
$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$		$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$

Where:

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

4.0 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 **points claimed** for the goal(s) stated in **Table 1** below, as supported by proof/ documentation stated in the **Conditions of Tender**:
- 4.2 In cases where the municipality intends to use Regulation 3(2) of the Regulations, which states that if it is unclear whether the 80/20 or 90/10 preference point system applies, the municipality must, in the tender documents, stipulate in the case of:
 - (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system, or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

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

The Specific Goals to be allocated points in terms of this tender	Maximum Number of points ALLOCATED (80/20 system)	Number of points CLAIMED (80/20 system)
Ownership Goal: Race (black)	14	
RDP Goal: The promotion of South African owned enterprises.	6	
Total CLAIMED Points (20 Maximum)		

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, certify that the points claimed, based on the specific goals as specified in the tender, qualifies the tendering entity for the preference(s) shown.

I acknowledge that:

- 1) The information furnished is true and correct.
- 2) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- 3) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct.
- 4) If the specific goals have been claimed or obtained on a fraudulent basis, or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have:
 - (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.

NAME (Block Capitals):

Date

SIGNATURE:

5(d) MBD 8: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

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

- 4.1 Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?

(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer / Authority of the institution that imposed the restriction after the audi alteram partem rule was applied.)

The Database of Restricted Suppliers now resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.

- 4.1.1 If YES, provide particulars.

.....

.....

- 4.2 Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?

The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.

- 4.2.1 If YES, provide particulars.

.....

.....

- 4.3 Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?

- 4.3.1 If YES, provide particulars.

.....

.....

Circle Applicable	
YES	NO

YES	NO
-----	----

YES	NO
-----	----

- 4.4 Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?

YES

NO

4.4.1 If YES, provide particulars.

.....

- 4.5 Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?

YES

NO

4.5.1 If YES, provide particulars.

.....

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

NAME (Block Capitals):

Date

SIGNATURE:

5(e) MBD 9: CERTIFICATE OF INDEPENDENT BID DETERMINATION**NOTES**

- ¹ Includes price quotations, advertised competitive bids, limited bids and proposals.
- ² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.
- ³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

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

I certify, on behalf of:

(Name of Bidder)

that:

1. I have read and I understand the contents of this Certificate.
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect.
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation.
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience.
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder.
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement, or arrangement with any competitor. However, communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.

-
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- (a) prices.
 - (b) geographical area where product or service will be rendered (market allocation).
 - (c) methods, factors or formulas used to calculate prices.
 - (d) the intention or decision to submit or not to submit, a bid.
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid.
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements, or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

NAME (Block Capitals): _____

Date

SIGNATURE: _____

SECTION 5: CONDITIONS OF CONTRACT

GOVERNMENT PROCUREMENT: CONDITIONS OF CONTRACT (July 2010)

The **Conditions of Contract** are the **General Conditions of Contract** as published by the National Treasury titled "Government Procurement: General Conditions of Contract (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010, hereinafter referred to as **GCC**.

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

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1. Definitions

The following terms shall be interpreted as indicated:

- 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7 "Day" means calendar day.
- 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 1.10 "Delivery into consignee store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the goods are so delivered and a valid receipt is obtained.
- 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the goods covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.26 "Tort" means in breach of contract.
- 1.27 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.28 "Written" or "in writing" means hand-written in ink or any form of electronic or mechanical writing.

2. Application

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific goods, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

4. Standards

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

5. Use of contract documents and information inspection

- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent Rights

- 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

7. Performance security

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the [amount specified in SCC](#).
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque.
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, [unless otherwise specified](#).

8. Inspections, tests and analyses

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

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

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

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

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

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

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

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, [including additional requirements](#), if any, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms [specified in the contract](#).

11. Insurance

- 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery [in the manner specified](#).

12. Transportation

- 12.1 Should a price other than an all-inclusive delivered price be required, [this shall be specified](#).

13. Incidental Services

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

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

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

14. Spare parts

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

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

15. Warranty

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

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

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

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

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

16. Payment

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

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

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

16.4 Payment will be made in Rand **unless otherwise stipulated**.

17. Prices

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

18. Variation orders

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

19. Assignment

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

20. Subcontracts

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

21. Delays in the supplier's performance

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

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

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

- 21.4 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of penalties.
- 21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
- 22. Penalties**
- 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.
- 23. Termination for default**
- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - if the supplier fails to perform any other obligation(s) under the contract; or
 - if the supplier, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5 Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.
- 23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- the name and address of the supplier and / or person restricted by the purchaser;
 - the date of commencement of the restriction
 - the period of restriction; and
 - the reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.
- 24. Antidumping and countervailing duties and rights**
- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.
- 25. Force Majeure**
- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
- 26. Termination for insolvency**
- 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of Liability

- 28.1 Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
 - (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

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

30. Applicable law

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

31. Notices

- 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.
- 32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of Contracts

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

34. Amendment of contracts

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

35. Prohibition of restrictive practices

- 35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

SECTION 6: SPECIAL / ADDITIONAL CONDITIONS OF CONTRACT

The **Conditions of Contract** make reference to the **Special Conditions of Contract (SSC)** for details that apply specifically to this bid. The **Special Conditions of Contract** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Conditions of Contract**.

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

SCC 1.2 **CONTRACT**

This is a 24-month contract.

SCC 7.1 **PERFORMANCE SECURITY**

The liability of the Performance Security shall be Nil.

SCC 10.1 **DELIVERY AND DOCUMENTS**

Delivery must be made within 8 weeks from order placement.

- (i) By Road: Installation and Works, ETA, Old Fort Municipal Complex, Durban

However, successful tenderers may be required to deliver to any of the Council's outlying depots; or sites.

NB: Prices to be inclusive of delivery charges, off-loading and stacking.

The successful tenderers are to supply any mechanical lifting equipment.

The following information shall appear in legible and indelible marking on the relevant consignment documents:

- The manufacturer's identification
- A description of the contents
- The batch identification (if applicable); and
- The quantity

Boxes shall be labelled with the intersection name or the number of phases.

SCC 14.1 **SPARE PARTS**

To ensure that the product has a useful life of minimum 15 years to ensure continuous supply of spare parts.

SCC 15.2 **WARRANTY**

The minimum warranty period on all items supplied will be 12 months from delivery of item where not specified.

SCC 15.4 **WARRANTY**

The period for the repair or replacement of items supplied will be 21 working days.

SCC 16.1 **PAYMENT**

The Contractor shall submit to the Department concerned a detailed account which shall reflect the identifying number of each item / service. Payment will be made on this account when

checked and substantiated by the authorised official.

Payment for goods received and accepted by the Municipality shall be made no later than 30 days after submission of invoice or claim, provided however that all the terms of the contract are duly complied with.

Payment will be made only to the supplier. Factoring arrangements will not be accepted.

SCC 17 **PRICES**

Prices are fixed for the duration of the contract.

SCC 21.1 **DELAYS IN THE SUPPLIER'S PERFORMANCE**

The time schedule for the delivery of goods and performance of services is 8 weeks from placement of the purchase order.

SCC 22.1 **PENALTIES**

Replace this clause with the following:

"If the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price (as a penalty):

- Failure to adhere to the prescribed lead time as per SCC 21.1 shall attract a penalty of 5% of the value of the order to be applied for each week, or part thereof, delivery is delayed, at a maximum of 10% of the contract value after which the purchaser may also consider termination of the contract pursuant to GCC Clause 23."

ADDITIONAL CONDITIONS OF CONTRACT

ACC1 **PERFORMANCE MONITORING & ASSESSMENT OF SERVICE PROVIDERS**

For contract awards that are greater than R10m, the Contractor shall be subjected to "Performance Monitoring" assessments in terms of the applicable Section of the Council's current Supply Chain Management Policy.

ACC2 **QUALITY OF PRODUCTS**

No inferior products will be accepted under this enquiry.

Should there be any cause for complaint against the standard of service or quality of products offered which is not resolved within a period of 10 working days, the Municipality reserves the right to cancel the contract after serving one month's notice, in writing, to the supplier involved. Should such notice be given, the supplier shall nevertheless be obliged to perform the duties covered by the contract up to the date of expiration of the period of notice.

ACC3 **DAMAGE TO PERSONS AND PROPERTY**

- (1) The supplier **shall** indemnify and keep indemnified the Council against any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation

thereto.

- (2) The supplier enters into this contract as an independent contractor and shall be solely liable in respect of any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation thereto.

ACC4 **RATE OF EXCHANGE VARIATION**

Where the goods are imported the Contractor shall within seven days of date of Official Purchase Order, arrange through his bankers for the foreign commitment to be covered forward down to the Rand in order to fix the rate of exchange. The Contractor shall notify the Municipality as soon as possible thereafter regarding the rate which has been fixed on such forward exchange. The forward cover shall be from a reputable South African bank. The Contractor is to confirm with the employer prior to placing forward cover if the service provider is acceptable.

Any increase or decrease between the basic rate of exchange as at 12:00 on the date of close of the bid and that existing at the date of establishment of the forward exchange cover within the period stipulated above shall be paid or deducted by the Municipality. Upon the failure of the Contractor to arrange forward exchange cover, the Contractor shall be liable should there be an increase in the basic rate of exchange occurring after the last-mentioned date.

The bank charges incurred in obtaining the forward exchange cover must be included in the Tenderer's bid.

ACC5 **ESTIMATED QUANTITIES**

The quantities stated in Section 8 are applicable for evaluation purposes only. The final quantity of goods and services required shall vary, depending on the total number of actual instances a service/goods will be required over the Contract Period. The rates tendered shall be applicable, irrespective of the total quantity of goods and services procured over the contract duration.

ACC6 **AWARD OF TENDER**

This tender contains two parts, namely "Section A" and "Section B", which shall be treated as two separate awards.

To promote fairness in competition, no single Tenderer nor the goods of a single original equipment manufacturer shall be awarded both Section A and Section B in the BOQ.

The award will be made to the most responsive tenderer for all items pertaining to Section A in the BOQ to ensure that each component is compatible with the other; and
The award will be made to the most responsive tenderer for all items pertaining to Section B in the BOQ to ensure that each component is compatible with the other.

SECTION 7: SCOPE AND SPECIFICATION OF REQUIRED SUPPLY / SERVICES

7.1. SCOPE OF SUPPLY/SERVICES

- 7.1.1. The Tenderer shall configure and supply traffic intersection controllers, for a 2-year period, upgrading existing equipment.
- 7.1.2. The controllers shall be supplied in modular form ("retrofit kit") to easily replace the existing control hardware in either Plinth or Pole Mount cabinets without replacing the controller housing, unless specifically procured with new housings.
- 7.1.3. The controllers shall be network compatible and be supplied with requisite license cards/keys to enable communication (support fibre, 4G/5G cellular and Wi-Fi communications directly or via a router) and be completely compatible with the ETA's existing UTC Systems.
- 7.1.4. This tender also requires the supply of vandal-resistant controller housings as per section 7.10. of this document.
- 7.1.5. A maximum lead time of 8 weeks shall be allowed (from ETA order to delivery to the Installation & Works store, prior to installation).
- 7.1.6. The product (traffic signal controller) shall have a proven track record of having been satisfactorily supplied and serviced in South Africa for at least 5 years. References shall be supplied with contact details.
- 7.1.7. The equipment shall be able to demonstrate its ability to meet all the requirements of the specification during the tender evaluation.
- 7.1.8. Samples: A controller, configured to the Engineer's specifications, shall be delivered to the ETA's workshop for testing as per SCT 6.
- 7.1.9. Reliability and Safety are of utmost importance for equipment supplied on this Contract wherein the target lifespan is 15 years of operation in the field. Tenderers shall provide details of their design philosophy, manufacture and quality procedures to achieve this reliability.

SPECIFICATIONS

7.2. REGULATIONS AND STANDARDS

- 7.2.1. The equipment shall comply with all the requirements of the following road traffic regulations and signs manual:
 - a) National Road Traffic Act (93 of 1996) and National Road Traffic Regulations 2000 promulgated in terms of the Act
 - b) South African Road Traffic Signs Manual (SARTSM), Vol 3: Traffic Signal Design and SA Development Community Road Traffic Signs Manual (where this supersedes SARTSM).
- 7.2.2. Traffic signal controllers shall conform to SANS 1547 Class C subject to any qualifications and amendments specified below. Proof of this conformance shall be supplied with the tender reply.
- 7.2.3. The Controllers shall comply with the following standards, where applicable:
 - a) SANS 1459 - Traffic Lights
 - b) SANS 10199 - Design and installation of earth electrodes
 - c) SANS 10142 - Wiring of Premises
 - d) SANS 10313 - Protection of structures against lightning
- 7.2.4. Where applicable, the Tenderer shall indicate which other South African or International Standards their equipment complies with and supply documentary evidence with their tender reply.

7.2.5. The Tenderer shall indicate what Quality Assurance System their company complies with.

7.3. **ENVIRONMENTAL**

7.3.1. The controller equipment offered shall be suitable for service at sea level in an area subject to sub-tropical conditions and a high incidence of lightning with a corrosive, humid, salt laden atmosphere. On average 6 lightning ground strikes per square kilometer per year are recorded in the area.

7.3.2. The table below shows temperature and relative humidity recorded under standard conditions in the area where the equipment shall operate:

Ambient temperature		Relative Humidity	
Mean annual temp.	20 deg C	24 hr mean	78%
Recorded max	45 deg C	Recorded max	100%
Recorded min	2 deg C	Recorded min	11%

7.3.3. Tenderers shall indicate what measures are taken on their equipment to ensure that it is fit for purpose in the Durban environment and able to operate continuously for the expected lifespan of 15 years with appropriate maintenance.

7.4. **GENERAL REQUIREMENTS**

7.4.1. The controllers shall be supplied as “retrofit” kits, which can be installed in the existing housings, or as complete units with housing/cabinets.

7.4.2. This shall include all equipment required to replace the contents of the existing controllers being upgraded, including:

- a) Processor modules (including any required batteries)
- b) LED lamp-drives (up to 16 phase)
- c) UTM/UTC communication interface
- d) logic power supply
- e) safety flasher unit
- f) basic user interface
- g) detector interface (8 input)
- h) pedestrian interface (4 input)
- i) auxiliary 24VDC power supply (for detectors, pedestrian, modems)
- j) cable terminations (fused lamp drives, pedestrian and detector)
- k) lightning protection on lamp drives
- l) mains power distribution panel (circuit breaker, surge protection, 3 pin service socket, earth leakage breaker and earth bonding point)
- m) mounting brackets
- n) wiring looms (power, lamp drives, detector and pedestrian)
- o) GPS clock as standard
- p) detector rack or modular 4 channel detector plugs/mountings
- q) detector cards or modules to facilitate eight vehicle detectors
- r) four opto-isolated pedestrian detectors
- s) facility for an optional plug-in manual panel

7.4.3. The Tenderer shall provide full details of the modules that make up their controller and how they are mounted.

7.4.4. The controller shall include an auxiliary 24VDC 2.5 Amp option power supply for feeding external street devices requiring DC power (detection devices, pedestrian circuits and modems). The 24V output shall be available on fused terminals which are suitably labeled. This supply shall be isolated from the controller ground.

- 7.4.5. All storage devices used in the controller (e.g. flash memory devices) fixed or removable and any associated plugin sockets, shall be of an industrial grade and specified for the environment expected inside the controller cabinet.
- 7.4.6. The controller shall be equipped with a stable, crystal-controlled, real-time clock providing an accuracy better than 10ppm (1 sec/day). The controller's internal clock shall preferably be self-calibrating when reset manually, in order to improve its accuracy.
- 7.4.7. The Tenderer shall offer a GPS clock module & a combination antenna (GPS, 4G/5G cellular, Wi-Fi) that can be connected to the controller to provide a more accurate time & date synchronization. For items 3, 4 and 5 of the Bill of Quantities, the antenna shall be mounted on the side of the cabinet, prior to delivery.
- 7.4.8. The antenna provided must support GPS, 4G/5G cellular and Wi-Fi connectivity.
- 7.4.9. The controller shall have the capability of synchronizing itself with an external time source using the standard NTP time set protocol when connected to the UTC control centre by a TCP/IP communications channel.

7.5. **CONTROLLER FACILITIES**

- 7.5.1. The Tenderer shall offer controllers meeting the following minimum requirements:

Number of streams	2 (minimum) independently controlled
Number of phases	8 (minimum) hardware phases - configurable in terms of relationship to stream and stages – upgradeable to 16 or 24 (maximum)
Number of stages	24 including All-Red
Number of modes	Min 12 - Refer to Table in C3.5.3
Number of call/cancel timers	8
Number of emergency/hurry calls	8
Number of plans	30
Number of Timetable entries	100 minimum with a resolution of 1 minute. Time of Day, Day of Week, Special Days.

- 7.5.2. Any phase shall be capable of being allocated as a vehicular main phase (with a steady green indication), a turning phase (with a flashing green arrow) or a pedestrian/bicycle phase (steady green indication followed by a flashing red indication followed by a steady red indication) and shall be capable of being demand-dependent, either from a vehicle detector input (vehicular phases) or a pedestrian pushbutton actuation (pedestrian/bicycle phases). Tenderers shall offer a phase expansion up to 24 and indicate the maximum expansion of the controller offered.

- 7.5.3. The controller shall be capable of re-starting automatically on power up and then go through a pre-set flashing sequence before operating in one of the control modes below:

Manual
Fixed-Time (FT)
Cable-less linked (CLF)
Vehicle Actuated (VA)
Semi-VA
Urban Traffic Control (UTC)
SCOOT
Bus Priority (TSP) Transit Signal Priority
Part-Time flash – selectable per stream
Hurry Call
Emergency Call
Public Transport Priority

The controller mode priority hierarchy shall be configurable.

- 7.5.4. The table below summarizes the controller timing range and accuracy requirements:

Plans	Cycle time	0-255 sec resolution 1 sec
Phases	Min Green	0-255 sec resolution 1 sec
	Yellow	0-255 sec resolution 0.1 sec
	Red	0-255 sec resolution 0.1 sec
Vehicle Detector	Extension timer	0-255 sec resolution 0.1sec
	Gap timer	0-255 sec resolution 0.1 sec
	Call delay	0-255 sec resolution 0.1sec
	Cancel delay	0-255 sec resolution 0.1 sec
Emergency Call		0-255 sec resolution 1 sec
Hurry call		0-255 sec resolution 1 sec
Manual Time-out		0-60 minutes resolution 1 min
Startup delay		10-40 sec resolution 1 sec
Start-up Flash		0-255 sec resolution 0.1 sec
Stuck stage		100-255 sec resolution 1 sec

- 7.5.5. The controller shall be capable of prioritizing and optimizing phase and stage calling, extension and termination from external inputs, for operation in a Public Transport Network i.e. transit signal priority (TSP).
- 7.5.6. A minimum requirement of the controller shall be its capability to move quickly to and run a bus stage in response to a bus detector input and then terminate it and continue running normally on timeout or in response to another input. The Tenderer shall indicate the BRT Bus priority capabilities of the proposed controller in their tender reply.

7.6. **POWER SUPPLY AND EARTHING**

- 7.6.1. The equipment shall operate off a nominal 230VAC 50Hz (± 2 Hz) single phase supply with up to $\pm 15\%$ voltage fluctuation and shall not be affected by a power interruption for 50 milliseconds.
- 7.6.2. Controllers shall be able to operate reliably in a demanding environment which includes tolerance to a variable and unstable power supply with long periods of "brownouts". Controllers shall incorporate adequate cut-out protection and auto-recovery from situations of over- or under-voltage.
- 7.6.3. The controller shall be suitably protected against supply variations and surges of the duration and magnitude to be expected on a 230V supply (ANSI/IEEE C62.41).

In particular the controller shall be able to withstand 400VAC between Live & Earth for situations where Neutral is disconnected. This is a typical vandalism scenario.

- 7.6.4. The controller shall be suitably protected against lightning surges with Class 1 + 2 surge protection.

A Phoenix Contact Flashtab Compact type FLT-CP-1C-350, or an ETA approved equivalent (replaceable plugin modules and flag indicators), surge protection device shall be used on the incoming supply.
- 7.6.5. All electrical terminations shall be adequately insulated. Insulated covers shall be easily removable for maintenance.
WARNING LABELS shall be provided over points which expose a nominal voltage greater than 50 volts AC or DC.
- 7.6.6. All 230 volt power circuits to or from the controller shall be through terminals. The input terminals shall take a 16mm² stranded conductor and the output terminals shall accept 4 x 1.5mm² stranded conductors. Terminals shall have an integral pad provided between the conductor and the screw.
- 7.6.7. All 230 volt phase lamp supply outputs shall be individually fused with 2.5 amp fast blow ceramic fuses in Schlegel 1KS14 terminals (or an ETA approved equivalent).
- 7.6.8. The controller shall have a switched, 3-pin socket, capable of supplying 230VAC power for maintenance use when all other circuitry in the controller has been isolated from the mains supply. This shall be protected by an earth leakage unit.

7.7. **INPUTS**

- 7.7.1. The controller shall be provided with isolated inputs and detector modules/cards capable of supporting eight vehicle detectors and four pedestrian detectors with associated terminal points and provisions for future expansion as required.
- 7.7.2. The controller detector inputs shall be configurable as normal, SCOOT, unidirectional, public transport signal priority, hurry and emergency call request.
- 7.7.3. The controller shall have the capability to add on inputs and the Tenderer shall price any additional hardware required for these under the BOQ spares list.
- 7.7.4. The Tenderer shall provide mounting hardware for 4 Channel Procon/Nortech-type module 'box detector' 11pin base/ socket units.
- 7.7.5. The detector equipment above (7.7.4) shall be supplied with full wiring harnesses, terminations and detection modules/units.
- 7.7.6. A minimum of four opto-isolated pedestrian pushbutton inputs (7.7.1) shall be provided. Each input shall allow the parallel connection of a maximum of 6 pushbuttons.
- 7.7.7. The pedestrian inputs shall be compatible with the Municipality's existing pushbutton installations and shall supply adequate wetting current (10-20mA) for reliable operation. The existing pedestrian pushbutton wiring uses a single common ground shared on a multicore cable with the signal lamp

supplies.

The open circuit voltage, generated by the controller at the input terminals, shall not exceed 50V DC. The short circuit current from the input terminals shall not exceed 50mA DC.

- 7.7.8. All inputs and outputs shall be adequately protected against voltage and current induced transients. The Tenderer shall give full details of this protection.
- 7.7.9. The controller shall have the inbuilt software facility to emulate unidirectional vehicle detection loops. This shall be configurable and operate as per the directional logic of a Procon LD470-type hardware detector units.
- 7.7.10. The Tenderer shall indicate whether his controller is capable of providing binned vehicle counts using VA, or dedicated detection loops. If there is an additional cost for this option the Tenderer shall insert this under "Pricing Schedule for Spares".

7.8. OUTPUTS

- 7.8.1. The controller lamp drives shall be solid state and have the capability of driving 230VAC 100W per lamp output for LED signal aspects. The lamp outputs shall be capable of driving LEDs from different manufacturers on the same phase.
- 7.8.2. The lamp drive modules shall have mimic LEDs which reflect the true state of the street signals. In this case the monitoring shall be done on the street-side of the fused terminals.
- 7.8.3. The lamp drive modules shall be easily replaceable.
- 7.8.4. The controller shall be capable of lamp out monitoring (all colours and phases) and shall include selectable all-red-out monitoring to flashing. The red out facility shall be configurable and shall have a secure local override option selectable at the controller (for maintenance purposes).
- 7.8.5. The lamp monitoring shall be stable and be able to discriminate to 3W (single LED module).
- 7.8.6. The controller shall be capable of driving the ETA's existing LED modules with integral active loads (non-dimming).
- 7.8.7. The controller shall be capable of driving other low-load external devices in parallel with the LED loads without malfunctioning (e.g. red-light violation equipment, APS, above ground detection power modules and parking signs).
- 7.8.8. The controller shall have the capability of driving 8 isolated parallel outputs (24VDC), in addition to the signal lamp drives (e.g. for controller local linking). Tenderers shall supply pricing if this requires additional hardware.
- 7.8.9. The controller shall be able to operate a switched sign. The switched sign output(s) shall be configurable in terms of switch on and switch off times and days of the week.

7.9. SAFETY

- 7.9.1. The controller shall have the following safety modes:
 - Signals off (manually selected)
 - Software flash fault or mode selected on a per stream basis (red per phase)
 - Hardware flash on detection of a fault condition
- 7.9.2. The controller safety flashing shall be controlled by a solid state flash facility, relay switched, that is setup as part of the controller configuration. The flashing colour shall be selectable as amber or red (normal). The flasher frequency shall be 1.5Hz $\pm$ 10%.
- 7.9.3. On start-up the controller shall perform a diagnostic check to ensure the integrity of the hardware and stored program.

- 7.9.4. The controller shall be equipped with dual conflict monitoring, whereby 2 separate processors monitor the lamp drives for conflicts.
- 7.9.5. The following items shall be continuously monitored during operation and appropriate response taken if a fault is detected:
- Green conflict – monitoring at internal (system) and external levels (cable faults).
 - Aspect monitoring – all phase colours shall be monitored for conformance including disconnected Neutrals.
 - Lamp monitoring – current monitoring of all lamp outputs (3W to 100W) including red out faults.
 - Faults – supply, modules, s/w integrity, conflict monitoring integrity.
- 7.9.6. The controller shall have a configurable facility to enable it to restart automatically following certain fault conditions that may cause it to go flashing.
- 7.9.7. Indications – all system events including conformance errors and conflict conditions shall be logged and displayable with states retained during power failures.
- 7.9.8. The controller shall support configurable stuck stage monitoring when in FT and UTC modes.

7.10. HOUSING

- 7.10.1. The Tenderer shall supply a price for additional plinth housings and plinths as well as pole mounted cabinets and poles that meet the requirements listed in this section (7.10.). Full details shall be supplied with the tender reply and the Tenderer must supply sample housings during tender evaluation as per SCT 6.
- 7.10.2. The housing shall comply with SANS 1547 where applicable.
- 7.10.3. The housing shall be lockable, weatherproof, dustproof and pest proof. All equipment shall be fully tropicalised for outdoor use and Tenderers shall state how this is achieved.
- 7.10.4. The housings and the poles shall be treated and powder coated according to SANS 1578 and SANS 1796 to resist corrosion. Colour shall be off-white as per the ETA existing cubicles.
- 7.10.5. The controller equipment supplied under this contract shall fit into the ETA's existing secure traffic controller housing with dimensions:
- a) Plinth type:
1360mm (height) x 600mm (width) x 360mm (depth)
The plinth type controller housing set-up shall comprise a free-standing cubicle, secured to a heavy concrete plinth which can be buried in the ground.
 - b) Pole type:
840mm (height) x 460mm (width) x 360mm (depth) for the case/cabinet
The mounting pole should be 1,8m long (900mm will be above ground and 900mm below ground).
- 7.10.6. The controller housings shall be vandal resistant, with flush fitted doors that have a:
- 5-point locking mechanism for the Plinth mounted type, and;
 - 3-point locking mechanism for the Pole mounted type.
- These will be utilised for new installations or for sites where the ETA deems existing housings to be unusable. An additional, powder coated (same color as the housing supplied) vandal resistant bracket, as per the drawing in the Annexures, must be installed on the cabinet prior to delivery.
- 7.10.7. The external lock mechanism shall comprise a key lock combination swing lever handle. Keys shall be as per existing ETA Durban unique coded "filing cabinet" keys with all locks being keyed alike for Durban only.
- 7.10.8. The housing door/s shall be manufactured from 3CR12, suitably coated as above, to mate with the aluminium housing. A door stay shall be provided.

- 7.10.9. The door seal shall be an injected polyurethane gasket.
- 7.10.10 The housing shall have a fitted 3mm thick Aluminium gland plate, pre-drilled to the following specification: (refer to Annexures)
- a) For Plinth Type Gland Plate:
To accommodate 5x No.3, 5x No.2, and 8x No.0 glands (insulated glands to be used) and fitted with blanking plugs.
 - b) For Pole Mount Type Gland Plate:
To accommodate 3x No.3 and 8x No.0 glands (insulated glands to be used) and fitted with blanking plugs.
- 7.10.11 The housing shall contain sufficient earthing points for the incoming cable earths to be secured.
- 7.10.12 The tenderer shall supply gasket rubber seals for plinth-mounted and pole-mounted cabinets to ensure proper sealing and protection.
- 7.10.13 The housing shall be manufactured from sheet aluminium and shall be robust and corrosion resistant. The degree of protection provided by the housing shall be to IP55 (cat 2) in accordance with SABS 1222. The aluminium shall be to BS 1470 or equivalent.
- 7.10.14 All galvanised surfaces, where used, shall be hot-dipped and shall comply with the requirements of SANS 763. Surfaces which cannot be galvanised shall be suitably protected from corrosion and full details submitted with the tender. Steel surfaces protected by paint only, shall NOT be permitted.
- 7.10.15 All portions or mechanisms shall be suitably treated to prevent corrosion. This shall include corrosion proofing inside the controller, details of which shall be given with the tender. Equipment shall be designed to provide continuous, trouble free operation with minimum maintenance.
- 7.10.16 The main access door of the controller shall be provided with a door sensor/switch, wired into the controller's electronics, to indicate entry into the controller cabinet.
- 7.10.17 The front door of the controller shall be fitted with a heavy duty plastic document holder on the inside. This holder shall be able to hold a thick A4 size document pack, including controller configuration and maintenance records.
- 7.10.18 The housing shall be fitted with an internal LED light as standard, operated by the door sensor/switch (7.10.16), positioned to assist technicians performing maintenance at night.
- 7.10.19 The plinth model shall be a pre-cast concrete moulding formed around a hot-dip galvanised rebar frame with 304 stainless steel attachment bolts protruding. The plinth dimensions shall be approximately 600mm x 500mm x 500mm to allow it to be buried to a depth of 300mm. A preformed rubber gasket shall be supplied to seal the gap between plinth and housing (7.10.12). The plinth shall also have adequate cutouts & holes for leading in cables from 3 directions. Refer to Annexures.

7.11 OPERATOR INTERFACE

- 7.11.1 The Operator Interface shall be offered in the form of an Integrated Operator Interface Panel built in controller or a Hand Held Terminal (HHT) such as a tablet, PC or dedicated handset unit which can connect to the controller via Cable, Bluetooth, Wireless. The device shall be visible in bright sunlight and at night.
The Tenderer shall provide full details of the Operator Interface offered.
- 7.11.2 The Operator Interface shall provide at least the following functionality:
- a) Display controller setup and configuration identification/communication address.
 - b) Display version number of all programmed logic components (incl. firmware and configuration).
 - c) Display running status and timings.
 - d) Display inputs & outputs status.
 - e) Display event log, faults and communications parameters, current status.
 - f) Force controller to run diagnostics.

- g) Force/disable individual detectors.
- h) Force/disable a plan.
- i) Force inputs on or off.
- j) Force controller into flashing.
- k) View and set the time and date.
- l) Enable downloaded, stored configuration.
- m) Initiate the transfer of stored logs & configuration to removable flash device.

7.11.3 The controller shall be fitted with an easily accessible flash device socket (USB or SD card) interface that can be used to download performance logs as well as up/downloading controller configurations.

7.11.4 The Tenderer shall offer an optional Manual panel to fit into the existing housing. This shall include push buttons to select configured stages, force the controller into flashing or switch the lamps off.

7.12 INTERSECTION SETUP

7.12.1 The Tenderer shall supply a price to configure typical intersections (2 to 16 phases and 17-24 phases) for the tendered controller. The ETA will provide timings for these on the ETA standard controller data/timings sheet.

7.12.2 The Tenderer shall offer a configuration tool, to enable the Employer to set up all parameters required to completely configure a controller for a particular intersection. Tenderers shall supply full details of their configuration tool as well as pricing for hardware and software.

7.12.3 The configuration tool shall be supplied on a suitable laptop computer and shall operate under Microsoft Windows 11 Pro 64-bit. The laptop shall have a minimum spec of: Intel i5 CPU, 16GB memory, 13" screen, USB, 500GB SSD and USB port (if required for transferring data and analysing controller operation).

7.12.4 The configuration tool shall additionally:

- a) log a historical record of changes to the configurations.
- b) support full validation of parameters related to traffic safety at an intersection, including red, amber, min green timings and the allocation of signal groups/phases to approaches.
- c) have the capability of entering and processing a scripting language which the operator may use to configure facilities that are not handled by the standard data entry, for example to cater for unusual junction requirements.

7.12.5 The Tenderer shall also offer an emulator, with a Windows-type graphical user interface, to assist in debugging and proving the configurations produced by the configurator. The emulator shall model/simulate an intersection in real time, in accordance with the configuration data previously setup.

7.13 INSTANTION CONNECTION

7.13.1 The controller shall support 4G/5G cellular communication on the Council's Access Point Name (APN) as well as TCP/IP communications by wireless and fibre. All communication equipment for these connections shall be offered and details provided with the tender.

7.13.2 The controllers shall be able to run on the ETA's existing Siemens PC SCOOT (MC3) UTC system using UTM2 Protocol using 4G/5G cellular, fibre and wireless.

7.13.3 The controllers will have the facility to upload/download software timings, and parameters of configurations remotely over the communications link. Safety-related updates shall require a manual controller reset to activate whereas other items shall be activated immediately or at a next scheduled event.

7.13.4 The controllers will be able to remotely communicate and report status/faults monitoring with the ETA's existing monitoring protocol over the communications link.

7.13.5 The controllers will be able to update the Traffic Engine firmware changes remotely over the communication link. Safety-related updates shall require a manual controller reset onsite to activate.

- 7.13.6 To maintain synchronising compatibility with UTC systems the controller shall be able to reference its isolated or fall back CLF plan base time (local control) to a user-configured date and time. This is nominally 00:00 01-Jan-1988 for the ETA's existing UTC system.
- 7.13.7 GPS, cellular and Wi-Fi antenna – a suitable external screw down “hockey puck” multimodal antenna shall be supplied as part of the communication kits.
- 7.13.8 The Tenderer shall indicate the capability of the tendered controller for local linking to adjacent controllers using wireless or other methods.
- 7.13.9 Responsive Tenderers may be required to demonstrate that the equipment offered is capable of operating, as detailed above, during the tender evaluation process.

7.14 TESTING

- 7.14.1 Controller equipment will normally be signed off for payment on provision of the Completion Certificate after installation and testing. For equipment that is ordered with no immediate installation (e.g. stock controllers or spares) the Employer will initiate a test of these when delivered to the ETA I&W workshop. This test will be designed, to exercise the equipment, to ensure no “dead on arrivals”. On successful completion of this testing the Employer will sign off the completion certificate. This test delay will normally be 2 weeks.

7.15 MAINTENANCE

- 7.15.1 The Contractor shall provide a 21 working day swap out for modules and circuit boards returned during the guarantee period. The price for the return of modules and cards (courier charges etc.) during the guarantee period shall be included in the controller price.
- 7.15.2 The ongoing maintenance of the controllers, post defects liability period, will be undertaken by either the ETA's staff or the ETA's incumbent Maintenance Contractor.
- 7.15.3 The Tenderer shall offer a software support service for software and firmware based products to be provided under this contract, including controller equipment and configuration tools.
- 7.15.4 The support service shall include the timeous fixing of bugs affecting product operation (included in the tenderers cost), as well as the upgrade of products (included in the tenderers cost), running under MS Windows, to operate on the current version of the operating system, within 6 months of it becoming generally available.
- 7.15.5 The Tenderer shall supply the most recent version of the controller firmware at the time of equipment delivery each year. The ETA may, at its discretion, require the retrofitting of the latest firmware version to previously delivered equipment, provided that the hardware is compatible. In the event that the controller firmware is found to contain bugs that cause instability or faults in the equipment, the Tenderer shall bear the cost of upgrading the firmware on the affected equipment.

7.16. SPARES

- 7.16.1. Tenderers shall submit a comprehensive list of controller spares to maintain the tendered controllers. This shall include all mechanical, electrical and electronic items (doors, locks, power supply modules, pcbs, surge protection, triacs, fuses...etc.).
- 7.16.2. The ETA intends to procure a limited stock of the most frequently used spares. The Tenderer shall supply details on the spares holding that he/she will keep ex-stock in South Africa. For spares not kept ex-stock, delivery periods (which must be accepted/agreed to by the ETA) and the Country of Origin shall be stated.
- 7.16.3. The Tenderer shall undertake to maintain a spares holding for the controllers for 15 years from the date of award of this contract, so as to ensure that the useful life of the product is not compromised.

7.17. **DOCUMENTATION**

- 7.17.1. All documents, literature, specifications, drawings... etc. supplied under this contract shall be in good English and supplied in electronic format (indexed, searchable, pdf files) on a removable storage device (e.g. USB flash disk drive) that can be read online and printed.
- 7.17.2. One complete set of drawings or illustrations, showing the general arrangement and dimensions, together with a full technical description of the principles of operation of the equipment and one copy of the user manual shall be supplied with the tender to enable the Employer to evaluate the reply.
- 7.17.3. The following manuals shall be supplied on the Contract together with any other manual the tenderer recommends:
- a) User/Operator's manual (including diagrams to enable the installation & User Interface operation of the equipment).
 - b) Configuration manual (tools, operation and full controller configuration).
 - c) Maintenance manual (recommended maintenance procedures, schedule of fault finding techniques and recommended repair procedures).
 - d) Hardware manual (complete wiring diagrams, circuit diagrams, detailed explanation of circuits, data sheets on components used in the equipment to enable the ETA to perform full maintenance if required).
 - e) Setup of the tendered controller for detection equipment (manual).
 - f) Training manuals: soft copies shall be supplied. During training courses, printed hard copies shall be provided to all attendees. Such material shall remain the property of the ETA.

7.18. **TRAINING AND SUPPORT**

- 7.18.1. The Tenderer shall provide thorough training of representatives of the ETA. Full details of the training courses shall be provided with the tender reply, including duration and syllabus.
- 7.18.2. The courses shall be held at the ETA's premises in Durban. The tendered price shall be deemed to include all associated costs of providing such training (i.e. travel, accommodation, sustenance, etc. of the facilitators and support team, and all training manuals). The courses shall cover the following topics:
- Controller overview, setup and operation;
 - Software configuration;
 - Controller installation;
 - Controller maintenance.
- 7.18.3. It may be assumed that the people attending the courses will have a general knowledge of the subjects covered.
- 7.18.4. The Tenderer shall also have full support desk facilities available for all queries and problems on equipment supplied under this contract. The Tenderer shall provide details of this support in his reply.

7.19. **GUARANTEE / DEFECTS LIABILITY**

- 7.19.1. The Contractor shall remedy any defect in, or malfunction of, the traffic controller that occurs within the Defects Liability Period.
- 7.19.2. The Defects Liability Period shall be 12 months from the date of issue of the Completion Certificate (ref 7.14.1), and the period of the Contractor's liability for latent defects shall be unlimited.
- 7.19.3. A defect shall be considered to be a fault that causes the controller to go flashing or otherwise malfunction, provided that the cause of this is not due to a Force Majeure event (direct lightning strike, accident or act of vandalism).
- 7.19.4. The Employer or the Employer's Agent, shall be able to perform tests or make adjustments to the

controller during the Defects Liability Period without invalidating the guarantee. The Tenderer will be advised of the action taken or to be taken.

- 7.19.5. For spares that are taken into stock, the guarantee shall be deemed to have started at the date of delivery into the Installation & Works store.

SECTION 8: BILL OF QUANTITIES**SECTION A**

Item	Description	Unit of measure	Quantity for basis of tender	Rate (excl VAT)	Total (excl VAT) (QTY x Rate)	VAT	TOTAL (Incl vat)
1	Supply 8 Phase Traffic Signal Controller "cuckoo kit"	Each	35				
2	Supply 16 Phase Traffic Signal Controller "cuckoo kit"	Each	8				
3	Supply 8 Phase Traffic Signal Controller complete with pole mount cabinet	Each	75				
4	Supply 8 Phase Traffic Signal Controller complete with plinth mount cabinet	Each	100				
5	Supply 16 Phase Traffic Controller complete with plinth mount cabinet	Each	6				
6	Configuration 2-16 phase	Each	224				
7	Training (Configuration)	Per group	1				
8	Training (Maintenance L1)	Per group	1				
9	Provisional sum for the Procurement of spares	Sum	1				
TOTALS :							

Optional Spares for Section A

Item	Description -Optional Items/Spares	Unit of measure	Quantity	Rate (excl VAT)
a.	Processor Module / CPU	Each	1	
b.	Lamp Output / Drive Module	Each	1	
c.	Power Supply Unit / Module	Each	1	
d.	Input - Output / Interface Module	Each	1	
e.	GPS clock kit & 3-in-1 combination antenna (GPS, 4G/5G cellular, Wi-Fi)	Each	1	
f.	Hand Held terminal	Each	1	
g.	Manual panel	Each	1	
h.	Configuration/Analyser/Emulation license	Each	1	
i.	Configuration Tool (ref. 7.12.3)	Each	1	
j.	Push button/Detector IO interface	Each	1	
k.	2x 11pin detector base and module – complete	Each	1	
l.	PCB 1:	Each	1	
m.	PCB 2:	Each	1	
n.	PCB 3:	Each	1	
o.	PCB 4:	Each	1	
p.	Wiring Loom/Harness	Each	1	
q.	Door: Plinth Mount Cabinet - Complete with locking mechanism & keys	Each	1	
r.	Door: Pole Mount Cabinet - Complete with locking mechanism & keys	Each	1	
s.	Door Lock: For Plinth Mount Type Cabinet	Each	1	
t.	Door Lock: For Pole Mount Type Cabinet	Each	1	
u.	Plinth complete	Each	1	
v.	Part A:	Each	1	
w.	Part B:	Each	1	
x.	Part C:	Each	1	
y.	Part D:	Each	1	
z.	Part E:	Each	1	
z.a.	Part F:	Each	1	

SECTION B

Item	Description	Unit of measure	Quantity for basis of tender	Rate (excl VAT)	Total (excl VAT) (QTY x Rate)	VAT	TOTAL (Incl vat)
1	Supply 8 Phase Traffic Signal Controller “cuckoo kit”	Each	6				
2	Supply 16 Phase Traffic Signal Controller “cuckoo kit”	Each	1				
3	Supply 8 Phase Traffic Signal Controller complete with pole mount cabinet	Each	10				
4	Supply 8 Phase Traffic Signal Controller complete with plinth mount cabinet	Each	14				
5	Supply 16 Phase Traffic Controller complete with plinth mount cabinet	Each	1				
6	Configuration 2-16 phase	Each	32				
7	Training (Configuration)	Per group	1				
8	Training (Maintenance L1)	Per group	1				
9	Provisional sum for the Procurement of spares	Sum	1				
TOTALS :							

Optional Spares for Section B

Item	Description -Optional Items/Spares	Unit of measure	Quantity	Rate (excl VAT)
a.	Processor Module / CPU	Each	1	
b.	Lamp Output / Drive Module	Each	1	
c.	Power Supply Unit / Module	Each	1	
d.	Input - Output / Interface Module	Each	1	
e.	GPS clock kit & 3-in-1 combination antenna (GPS, 4G/5G cellular, Wi-Fi)	Each	1	
f.	Hand Held terminal	Each	1	
g.	Manual panel	Each	1	
h.	Configuration/Analyser/Emulation license	Each	1	
i.	Configuration Tool (ref. 7.12.3)	Each	1	
j.	Push button/Detector IO interface	Each	1	
k.	2x 11pin detector base and module – complete	Each	1	
l.	PCB 1:	Each	1	
m.	PCB 2:	Each	1	
n.	PCB 3:	Each	1	
o.	PCB 4:	Each	1	
p.	Wiring Loom/Harness	Each	1	
q.	Door: Plinth Mount Cabinet - Complete with locking mechanism & keys	Each	1	
r.	Door: Pole Mount Cabinet - Complete with locking mechanism & keys	Each	1	
s.	Door Lock: For Plinth Mount Type Cabinet	Each	1	
t.	Door Lock: For Pole Mount Type Cabinet	Each	1	
u.	Plinth complete	Each	1	
v.	Part A:	Each	1	
w.	Part B:	Each	1	
x.	Part C:	Each	1	
y.	Part D:	Each	1	
z.	Part E:	Each	1	
z.a.	Part F:	Each	1	

SECTION 9 : OFFICIAL TENDER FORM

Part A: OFFER BY TENDERER - In response to **Tender Number : 1T-29970** I / we hereby offer to supply the goods / services detailed hereunder in accordance with the Technical Specification, and subject to the Standard and Special Conditions of Tender (Goods/Services), and General and Special Conditions of Contract, which accompanied your Tender (with which I / we acknowledge myself / ourselves to be fully acquainted) at the price stated below, or in the case of individual rates are indicated in Section 8 : Bill Of Quantities / Schedule of Rates / Activities.

TENDERED PRICE EXCLUSIVE OF VAT	VAT AMOUNT	TENDERED PRICE INCLUSIVE OF VAT
R	R	* R
* AMOUNT IN WORDS (incl. VAT):		

I / We hereby agree that this tender will hold good and remain open for acceptance as specified in the Conditions of Tender or during such other period as may be specified in the Special Conditions of Tender.

eThekwini Vendor Portal Registration Number:

PR

C.S.D Registration Number:

MAAA

S.A.R.S Pin Number:

Completion of the following is compulsory. Failure to declare the following will invalidate your offer.

Declaration of Interest

Are any of the entity's directors, managers, principle shareholder or stakeholders currently in the service of the state or have been in the service of the state in the past twelve (12) months?				☐ Yes	☐ No
Is any spouse, child or parent of the entity's directors, managers, principle shareholder or stakeholder currently in the service of the state or have been in the service of the state in the past twelve (12) months?				☐ Yes	☐ No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship	
Do you or any other directors, managers, principle shareholder or stakeholder of your entity have any relationship (spouse, family, friend, associate) with persons in the service of the state and/or who may be involved with the evaluation of this quotation? If yes please furnish particulars below				☐ Yes	☐ No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship	

Refer to the Consolidated MBD Documents in Section 4(d) for the definition of "in service of the State"

*** Signature :**

*** Name (capitals):**

Date:

Capacity:

*** Name of Business:**

Tel:

Address:

Fax:

*** Denotes Mandatory Information**

Failure to complete the Mandatory Information and sign this Tender Form will invalidate the tender

Part B: ACCEPTANCE BY PURCHASER - The Purchaser, as represented by the following Official, hereby accepts the Tenderer's offer in terms of the Conditions of Tender, Specifications, and Conditions of Contract.

Signature:

Name (capitals):

Date:

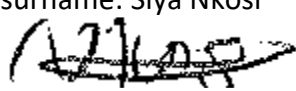
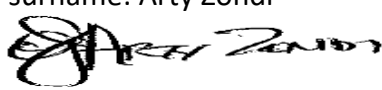
Capacity:

ETHEKWINI MUNICIPALITY

Occupational Health & Safety Unit



37.2 Agreement in terms of Occupational Health and Safety Act No. 85 of 1993

Document Title	37.2 Agreement in terms of OHS Act of 1993
Client	eThekweni Municipality – eThekweni Municipality Transport Authority
Project Name	Supply and delivery of traffic signal controllers for 24 months
Contract Number	1T - 29970
Revision	01
Date	03/03/2025
Internal Reference No.	37.2 AGM/021/03/2025
Compiled by (Safety officer)	Name and surname: Siya Nkosi Signature:  Date: 03 March 2025
Reviewed by (Manager: Safety & Risk)	Name and surname: Arty Zondi Signature:  Date: 03 March 2025

ETHEKWINI MUNICIPALITY

OCCUPATIONAL HEALTH AND SAFETY



OCCUPATIONAL HEALTH AND SAFETY ACT 1993, (ACT NO. 85 OF 1993) MANDATORY AGREEMENT – 37.2

Service Provider Acknowledgement of Responsibility in terms of the Occupational Health and Safety Act

A Written agreement between ETHEKWINI Municipality (the
"employer")

And

(the "Service Provider")

as provided for in terms of Section 37 (2) of the Occupational
Health and Safety Act No.85 of 1993 as amended by Act 181 of 1993.

I hereby declare that I,

.....
.., am authorised to represent the "Service Provider" and
acknowledge that the "Service Provider" is an employer with all
duties and responsibilities as prescribed in the Occupational
Health and Safety Act no. 85 of 1993.

I agree to ensure that all work performed, or machinery and plant
used by the "Service Provider" on any ETHEKWINI Municipality
premises shall be by the provisions of the said Act.

Furthermore, I agree the "Service Provider" shall comply with all
ETHEKWINI Municipality site rules and safety, health, and
environmental requirements as may be communicated or stipulated by
ETHEKWINI Municipality before and during any Contract awarded to
the "Service Provider" by ETHEKWINI Municipality.

Furthermore, I ensure that ETHEKWINI Municipality is timely
informed should the "Service Provider" be unable to perform under
this agreement for any reason.

The Service Provider's driver must obey the traffic signs and
speed limit within eThekwini Municipality premises.

The Service Provider shall ensure his/her vehicle is in good working
condition and safe for use, and that it is used according to its
design and intended use.

The Service Provider must ensure that all his or her employees have a valid medical certificate of fitness.

The Service Provider shall ensure that all employees under his control are always wearing the appropriate Personal Protective Equipment. (Safety shoes, reflector vest, hard hat, sunscreen/sunglasses if exposed to sun)

The Service Provider must be registered and in good standing with the Compensation for Occupational Injuries and Diseases Commissioner or Personal Accident Cover.

Signed thisday of20.....

On behalf of the "Service Provider" (print)

.....

(sign)

.....

On behalf of the "employer" (print)

.....

(sign)

.....

EVALUATION SCHEDULE: STATEMENT OF COMPLIANCE

The Statement of Compliance form shall be completed. Failure to complete this form and provide information where requested may render the Tenderer's non-responsive during Stage 1 evaluation.

The form will be available in MS Word format from the Employer's agent.

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
Part 7.1: Scope of Works				
1.	7.1.1	Has the scope of work been read and understood?		
2.	7.1.2	Note controllers to be supplied in modular form.		
3.	7.1.3	Note mandatory network compatibility and compatibility with the ETA's existing systems.		
4.	7.1.4	Confirm that the requirements of this clause will be met.		
5.	7.1.5	Note as-and-when contract. Confirm delivery lead time.		
6.	7.1.6	Track record of the tendered equipment: supply previous customer references & contact details.		
7.	7.1.7	The sample equipment shall be tested as part of the tender evaluation process.		
8.	7.1.8	Confirm availability of demo controller fully meeting specification.		
9.	7.1.9	Tenderer to provide details to motivate how their controller will attain a long service life.		
Part 7.2: Regulations and Standards				
10.	7.2.1	Compliance with Regulations.		
11.	7.2.2	Compliance with SANS 1547. Provide a copy of the certificate/test results.		
12.	7.2.3	Compliance with standards.		
13.	7.2.4	Compliance with additional standards – Tenderer to		

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
		provide details.		
14.	7.2.5	QA system – Tenderer to provide information.		
Part 7.3: Environmental				
15.	7.3.1	Lightning protection.		
16.	7.3.2	Temperature & humidity.		
17.	7.3.3	Tenderer to provide details on how the controller will weather the Durban environment.		
Part 7.4: General Requirements				
18.	7.4.1	Confirm that the requirements of this clause will be met.		
19.	7.4.2	Confirm that the equipment to be provided meets these specifications?		
20.	7.4.3	Tenderer to provide details on his controller modules.		
21.	7.4.4	Isolated 24VDC supply requirement.		
22.	7.4.5	Confirm that the requirements of this clause will be met.		
23.	7.4.6	Tenderer to confirm clock accuracy and calibrating capability.		
24.	7.4.7	GPS: details to be provided.		
25.	7.4.8	Confirm antenna capability.		
26.	7.4.9	NTP capability: details to be provided.		
Part 7.5: Controller Facilities				
27.	7.5.1	Does the controller meet <u>all</u> the minimum requirements?		
28.	7.5.2	Can any phase be allocated as specified?		
29.	7.5.2	What is the maximum no. of phases supported?		
30.	7.5.3	Can the controller operate all modes with configurable priority?		

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
31.	7.5.4	Controller timing resolution requirements.		
Part 7.6: Power Supply and Earthing				
32.	7.6.1	Can the controller operate reliably with this supply?		
33.	7.6.2	Provide details of cut-out protection and auto-recovery.		
34.	7.6.3	Provide details of surge protection including 400VAC requirement.		
35.	7.6.4	Provide details of Surge Protection Device to be provided.		
36.	7.6.5	Note requirements.		
37.	7.6.6	Confirm that the requirements of this clause will be met.		
38.	7.6.7	Provide details of fused terminals to be provided.		
39.	7.6.8	Confirm compliance.		
Part 7.7: Inputs				
40.	7.7.1	Confirm compliance.		
41.	7.7.2	Confirm compliance and provide further details.		
42.	7.7.3	Confirm compliance and provide the pricing for any additional hardware.		
43.	7.7.4	Confirm mounting hardware for the detectors are included.		
44.	7.7.5	Confirm wiring harnesses, terminations and detection modules are supplied.		
45.	7.7.6	Confirm compliance and provide further details of pedestrian inputs.		
46.	7.7.7	Confirm pedestrian inputs compatible with Council's existing wiring.		
47.	7.7.8	Provide details of protection against voltage and current induced transients and confirm compliance.		

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
48.	7.7.9	Provide details of inbuilt unidirectional loop capability.		
49.	7.7.10	Provide details of count capability of controller		
Part 7.8: Outputs				
50.	7.8.1	Confirm compliance and provide further details of lamp drive output capability.		
51.	7.8.2	Confirm that the requirements of this Clause shall be met.		
52.	7.8.3	Confirm that the requirements of this Clause shall be met.		
53.	7.8.4	Confirm that the requirements of this Clause shall be met.		
54.	7.8.5	Confirm that the lamp monitoring can distinguish a single LED.		
55.	7.8.6	Confirm that the existing LED modules used by the ETA can be driven.		
56.	7.8.7	Confirm capability of driving external devices in parallel with lamps.		
57.	7.8.8	Confirm capability of driving additional outputs and provide details on how this is done.		
58.	7.8.9	Confirm capability of operating configurable switched sign outputs.		
Part 7.9: Safety				
59.	7.9.1	Confirm safety modes supported.		
60.	7.9.2	Confirm hardware flasher separate to lamp drives.		
61.	7.9.3	Provide details of startup diagnostics.		
62.	7.9.4	Confirm controller has dual conflict monitoring.		
63.	7.9.5	Confirm that the requirements of this Clause will be met.		

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
64.	7.9.6	Can the controller automatically restart after certain faults – provide details?		
65.	7.9.7	Confirm the requirements and provide further details of the logging.		
66.	7.9.8	Confirm that the requirements of this Clause will be met.		
Part 7.10: Housing				
67.	7.10.1 To 7.10.19	Compliance to the requirements in 7.10.1 to 7.10.19.		
68.	7.10.6	Note locking mechanism requirements.		
69.	7.10.10	Note gland plate requirements.		
Part C3.11: Operator Interface				
70.	7.11.1	Provide details of the User Interface offered.		
71.	7.11.2	Confirm the functionality of (a) – (m) will be provided.		
72.	7.11.3	Provide details of the flash storage device used by the controller.		
73.	7.11.4	Provide details of the manual panel offered.		
Part 7.12: Intersection Setup				
74.	7.12.1	Has a price for typical configurations been provided?		
75.	7.12.2	Provide details of configuration software.		
76.	7.12.3	Provide make, model and specification of configuration tool.		
77.	7.12.4	Does the configuration tool meet the requirements of (a) – (c)?		
78.	7.12.5	Confirm that the requirements of this Clause will be met.		

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
Part 7.13: Instation Connection				
79.	7.13.1	Does the controller support 4G/5G Cellular & TCP/IP communications. Provide details.		
80.	7.13.2	Is the controller UTM2 and SCOOT compliant?		
81.	7.13.3	Can the controller up/download timings and parameters to one of the ETA existing systems?		
82.	7.13.4	Confirm the requirements of the clause will be met.		
83.	7.13.5	Confirm that the requirements of this Clause will be met		
84.	7.13.6	Can the controller reference its plan base time as specified?		
85.	7.13.7	Provide details of antenna offered.		
86.	7.13.8	Provide details of local linking capability.		
87.	7.13.9	Availability of equipment for testing during evaluation.		
Part 7.14: Installation and Testing				
88.	7.14.1	Has the Tenderer read and understood the requirements of this Clause?		
Part 7.15: Maintenance				
89.	7.15.1	Confirm 21 day swap out pricing included.		
90.	7.15.2	Note ongoing maintenance.		
91.	7.15.3	Has an optional software support service been offered?		
92.	7.15.4	Confirm that the requirements of this Clause will be fully met.		
93.	7.15.5	Confirm that the requirements of this Clause will be met.		
Part 7.16: Spares				

Item	Section Reference	Requirement	Comply (Y/N) Y=YES N=NO	Comments (if space is too little attach additional pages and reference back to item #)
94.	7.16.1	Has the Tenderer supplied a comprehensive list of spares (and prices in the BOQ)?		
95.	7.16.2	Provide details of spares held ex-stock in SA and details for spares sourced overseas.		
96.	7.16.3	Confirm that the requirements of this Clause will be met.		
Part 7.17: Documentation				
97.	7.17.1	Confirm that the requirements of this Clause will be met.		
98.	7.17.2	Provide details as requested.		
99.	7.17.3	Confirm the requirements of (a) – (f).		
Part 7.18: Training and Support				
100.	7.18.1	Provide details of training courses.		
101.	7.18.2 7.18.3	Confirm that the requirements of these Clauses shall be met.		
102.	7.18.4	Provide details of support services available.		
Part 7.19: Guarantee / Defects Liability				
103.	7.19.1 To 7.19.5	Confirm that the requirements of Clauses 7.19.1 to 7.19.5 shall be met.		

I, the undersigned, certify that the information furnished in this form is correct

NAME : (Block Capitals)

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

DATE :

DRAWINGS

