

CONTRACT NO. 72Q/2025/26



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

SCM – 509 | Approved by Branch Manager: 15/07/2024

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CONTRACT DOCUMENT

FOR THE

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

THE CONTRACT

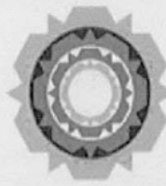
ISSUED BY: DIRECTOR: INFRASTRUCTURE IMPLEMENTATION, URBAN MOBILITY DIRECTORATE Tower Block, Civic Centre 12 Hertzog Boulevard CAPE TOWN 8001	COMPILED BY: HHO Consulting Engineers (Pty) Ltd 14th Floor, The Towers South 2 Hertzog Boulevard CAPE TOWN 8001	For official use. TENDER SERIAL No.: SIGNATURES OF CITY OFFICIALS AT TENDER OPENING 
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OCTOBER 2025

NAME OF TENDERING ENTITY	
EMAIL ADDRESS OF TENDERING ENTITY	
FAX NUMBER OF TENDERING ENTITY	
NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause C.2.12)	
Alternative Offer (see clause C.2.12)	

Part C1: Agreements and Contract Data

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CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. Together.

MEMORANDUM OF AGREEMENT

FOR

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE,
MAITLAND

MADE AND ENTERED INTO BETWEEN

CITY OF CAPE TOWN METROPOLITAN MUNICIPALITY

And

CONTRACTOR	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual (The "Contractor" / "tenderer")	AMANDLAGCF CONSTRUCTION CC
TRADING AS (if different from above)	AMANDLA CONSTRUCTION
REGISTRATION NUMBER	
PHYSICAL ADDRESS / CHOSEN DOMICILIUM CITANI ET EXECTUANDI OF THE CONTRACTOR	
AUTHORISED REPRESENTATIVE	
CAPACITY OF AUTHORISED REPRESENTATIVE	

(HEREINAFTER COLLECTIVELY REFERRED TO AS "THE PARTIES" AND INDIVIDUALLY A "PARTY")

Preamble

WHEREAS the City of Cape Town is desirous to award this Tender to the successful Contractor;

AND WHEREAS the City of Cape Town will consider and evaluate the offer made by the Tenderer/Contractor;

AND WHEREAS the Parties agree that this Contract is subject to the terms and conditions as contained in the final award of the City's Bid Adjudication Committee (BAC);

AND WHEREAS the Tenderer/Contractor agrees that the terms and conditions of the award will become binding upon communication of the award made by the BAC, upon the expiration of the prescribed appeal period in terms of Section 62 of the Municipal Systems Act and the furnishing of a duly counter signed contract by the City to the Contractor reflecting the BAC award.

NOW THEREFORE, the Parties agree and confirm that the Contract contains the following:

- a) the Form of Offer and Acceptance,
- b) the Contract Specific Data within the Contract Data,
- c) the General Conditions of Contract for Construction Works, Third Edition, 2015,
- d) the Drawings,
- e) the Scope of Work,
- f) the Pricing Data, and
- g) the conditions of tender, the tender data and tender schedules

SIGNED AT [REDACTED] PLACE) ON THE 17 (DAY) OF November 2025 (MONTH AND YEAR)

For a
(Duly
Name

For and on behalf of the City of Cape Town
(Duly Authorised)

Name and Surname:

Witness 2 Signature
Name and Surname:

Witness 1 Signature
Name and Surname:

Witness 2 Signature

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.1 Form of Offer and Acceptance

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

CONTRACT NO. 72Q/2025/26: UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

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

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

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Rand TWO ONE TWO SIX NINE ZERO SIX
TWO ZERO RANDS 4100 CENTS (in words);
R 212 690 620 104 (in figures)

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

Contractor	
Business Name	AMANDLA GCF CONSTRUCTION CC
Business Registration	
Tax number (VAT)	
Physical Address	
Signed – who by signature hereto warrants authority	
Name of signatory	
Signed: Date	13 NOVEMBER 2025
Signed: Location	
Signed: Witness	
Name of Witness	

For official use.

Acceptance

By signing this part of this form of offer and acceptance, the City of Cape Town accepts the tenderer's (now Contractor's) offer. In consideration thereof, the City of Cape Town shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the contractor's offer shall form an agreement between the City of Cape Town and the contractor upon the terms and conditions contained in this document.

The terms of the contract are contained in:

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

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

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

The contractor shall within two weeks after receiving a completed copy of the contract, including the schedule of deviations (if any), contact the City of Cape Town to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documents to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of the contract.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the contractor and confirms receipt from the City of Cape Town of one complete, signed copy of this contract containing price schedule as awarded by the BAC, including the schedule of deviations (if any).

CITY OF CAPE TOWN	
Business Name	
Business Registration	
Tax number (VAT)	
Physical Address	
Accepted contract sum including tax	
Signed – who by signature hereto warrants authority	
Name of signatory	
Signed: Date	
Signed: Location	
Signed: Witness	
Name of Witness	

Schedule of Deviations

Notes:

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

1 Subject

Details

.....

.....

.....

2 Subject

Details

.....

.....

.....

3 Subject

Details

.....

.....

.....

4 Subject

Details

.....

.....

.....

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

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

**CONTRACT 72Q/2025/26: UPGRADE OF VOORTREKKER ROAD,
FROM 4th AVENUE TO 12TH AVENUE, MAITLAND**

(TO BE FILLED IN BY THE CONTRACTOR)

Confirmation of Receipt

The contractor identified in the offer part of the Contract hereby confirms receipt from the City of Cape Town (identified in the acceptance part) of 1 (one) complete, signed copy of the Contract containing price schedule as awarded by the BAC, including the *Schedule of Deviations* (if any) on:

The..... (Day)

Of..... (Month)

20..... (year)

At..... (Place)

For the Supplier: Signature(s)

Name(s)

Capacity

Signature and name of witness:

Signature Name

**ONLY TO BE
COMPLETED AT
ACCEPTANCE STAGE**

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION
CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.2 Contract Data

Part 1: Contract Data provided by the Employer

GENERAL CONDITIONS OF CONTRACT

The following standardised General Conditions of Contract:

General Conditions of Contract for Construction Works, Third Edition, 2015

prepared by the South African Institution of Civil Engineering (SAICE) shall apply to and form the General Conditions of Contract for this contract. Copies of these conditions of contract are obtainable from the South African Institution of Civil Engineering (SAICE), Private Bag X200, Halfway House 1685, Tel: (011) 805 5947, Fax: (011) 805 5971, e-mail: civilinfo@saice.org.za.

Copies of the General Conditions of Contract are available for inspection and scrutiny at the offices of the Employer.

The Pro-formas bound with the General Conditions of Contract 2015, on pages 96 to 113 shall not apply to this Contract and shall be replaced with the documents bound into this Contract Document.

The General Conditions of Contract make several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the general conditions of contract.

The General Conditions of Contract shall be read in conjunction with the variations, amendments and additions set out in the Contract Specific Data below. Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- a) the Form of Offer and Acceptance,
- b) the Contract Specific Data within the Contract Data,
- c) the General Conditions of Contract for Construction Works, Third Edition, 2015,
- d) the Drawings,
- e) the Scope of Work,
- f) the Pricing Data, and
- g) the conditions of tender, the tender data and tender schedules

If an ambiguity or discrepancy is found in the documents, the Employer's Agent shall issue any necessary clarification or instruction.

CONTRACT SPECIFIC DATA

The following contract specific data, referring to the General Conditions of Contract for Construction Works, Third Edition, 2015, are applicable to this Contract:

Clause 1.1.1.2:

Add the following after "Bill of Quantities":

, also referred to as Bills of Quantities,

Clause 1.1.1.13:

The Defects Liability Period is 12 months.

Clause 1.1.1.14:

The time for achieving Practical Completion is **42 (forty-two) months**, inclusive of a two month mobilisation period, and 14 day period referred to in Clause 5.3.2 below, and inclusive of non-working days referred to in Clause 5.8.1 below, but exclusive of special non-working days (Clause 5.8.1).

Clause 1.1.1.15:

The **Employer** is the CITY OF CAPE TOWN, represented by the Director : TRANSPORT INFRASTRUCTURE IMPLEMENTATION DEPARTMENT: URBAN MOBILITY DIRECTORATE and/or such other person or persons duly authorised thereto by the Employer in writing.

The name of the Employer is: CITY OF CAPE TOWN
URBAN MOBILITY DIRECTORATE

and is referred to in the Contract documents by the terms "Employer", "City of Cape Town" or "Council" as the context provides.

Clause 1.1.1.16:

The **Employer's Agent**, referred to in the Contract documents, is the firm of HHO Consulting Engineers (Pty) Ltd acting through a director, an associate or an official authorised thereto in writing .

The name of the Employer's Agent is: HHO Consulting Engineers (Pty) Ltd or their successors duly appointed by the Employer

Clause 1.1.1.26:

The Pricing Strategy is a Re-measurement Contract.

Add the following Clauses after Clause 1.1.1.34:

- 1.1.1.35 "Drawings" means all drawings, calculations and technical information forming part of the Contract Documents and any modifications thereof or additions thereto from time to time approved in writing by the Employer's Agent or delivered to the Contractor by the Employer's Agent.
- 1.1.1.36 "Letter of Notification" means the letters of formal notification, signed by the Employer, of the decision of the Supply Chain Management Bid Adjudication Committee sent to all tenderers. The notification of the decision does not form part of the Employer's Acceptance of the successful tenderer's Offer and no rights shall accrue.
- 1.1.1.37 "Intellectual Property" means any and all intellectual property rights of any nature anywhere in the world whether registered, registerable or otherwise, including patents, trademarks, registered designs and domain names, applications for any of the foregoing, trade or business names, copyright and rights in the nature of copyright, design rights, rights in databases, know-how, trade secrets and any other intellectual property rights which subsist in computer software, computer programs, websites, documents, information, techniques, business methods, drawings, logos, instruction manuals, lists and procedures and particulars of customers, marketing methods and procedures and advertising literature, including the "look and feel" of any websites

Clause 1.2.1.2:

The address of the Employer is:

Physical address: Tower Block, Civic Centre
12 Hertzog Boulevard
Cape Town
8001

Postal address: P O Box 298
Cape Town
8001

E-mail address: SCM.tenders15@capetown.gov.za

Clause 1.2.1.2:

The address of the Employer's Agent is:

Physical address: 14th Floor, The Towers South
2 Hertzog Boulevard
Cape Town
8001

Postal address: 14th Floor, The Towers South
2 Hertzog Boulevard
Cape Town
8001

E-mail address: enquiries@hho.co.za

Clause 1.3:

Delete Clause 1.3.5 in its entirety and replace with the following:

- 1.3.5 Intellectual Property
- 1.3.5.1 The Contractor acknowledges that it shall not acquire any right, title or interest in or to the Intellectual Property of the Employer.
- 1.3.5.2 The Contractor hereby assigns to the Employer, all Intellectual Property created, developed or otherwise brought into existence by it for the purposes of the contract, unless the Parties expressly agree otherwise in writing.
- 1.3.5.3 The Contractor shall be deemed to have given the Employer a non-terminable, transferable, non-exclusive, royalty-free licence to copy, use and communicate the Contractor's documents, including making and using modifications of such documents for further work required to the Works.
- 1.3.5.4 The Contractor shall, and warrants that it shall:
- 1.3.5.4.1 not be entitled to use the Employer's Intellectual Property for any purpose other than as contemplated in this contract;
- 1.3.5.4.2 not modify, add to, change or alter the Employer's Intellectual Property, or any information or data related thereto, nor may the Contractor produce any product as a result of, including and/or arising from any such information, data and Intellectual Property, and in the event that it does produce any such product, the product shall be, and be deemed in law to be, owned by the Employer;
- 1.3.5.4.3 not apply for or obtain registration of any domain name, trademark or design which is similar to any Intellectual Property of the Employer;
- 1.3.5.4.4 comply with all reasonable directions or instructions given to it by the Employer in relation to the form and manner of use of the Employer Intellectual Property, including without limitation, any brand guidelines which the Employer may provide to the contractor from time to time;
- 1.3.5.4.5 procure that its employees, directors, members and contractors comply strictly with the provisions of clauses 1.3.5.4.1 to 1.3.5.4.3 above;
- unless the Employer expressly agrees thereto in writing after obtaining due internal authority.
- 1.3.5.5 The Contractor represents and warrants to the Employer that, in providing goods, services or both, as the case may be, for the duration of the contract, it will not infringe or make unauthorised use of the Intellectual Property rights of any third party and hereby indemnifies the Employer from any claims, liability, loss, damages, costs, and expenses arising from the infringement or unauthorised use by the contractor of any third party's Intellectual Property rights.
- 1.3.5.6 In the event that the contract is cancelled, terminated, ended or is declared void, any and all of the Employer's Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Employer by the contractor and no copies thereof shall be retained by the contractor unless the Employer expressly and in writing, after obtaining due internal authority, agrees otherwise.

Add the following Clause after Clause 1.3.6:

- 1.3.7 The parties agree that this contract shall also be subject to the Employer's Supply Chain Management Policy ('SCM Policy') that was applicable on the date the bid was advertised, **save that if the Employer adopts a new SCM Policy which contemplates that any clause therein would apply to the contract emanating from this tender, such clause shall also be applicable to that contract.** Please refer to this document contained on the CCT's website.
- 1.3.8 Abuse of the supply chain management system is not permitted and may result in cancellation of the contract, restriction of the supplier, and/or the exercise by the Employer of any other rights and remedies available to it as described in the SCM Policy.
- 1.3.9 Protection of Personal Information Act of 2013**
- 1.3.9.a By submitting a tender to the Employer, (and by concluding any ensuing related agreement with the City of Cape Town, if applicable), the Contractor thereby acknowledges and unconditionally agrees:
- 1.3.9.b that the Contractor has been informed of the purpose of the collection and processing of its personal information as defined in the Protection of Personal Information Act of 2013 ("POPIA"), which, for the avoidance of doubt is for, and in relation to, the tender process and the negotiation, conclusion, performance and enforcement of the ensuing agreement, if applicable, as well as for the Employer's reporting purposes;
- 1.3.9.c to the collection and processing of the Contractor's personal information by the Employer and agrees to make available to the Employer, all information reasonably required by the Employer for the above purposes;
- 1.3.9.d that the personal information the Employer collects from the Contractor or about the Contractor may be further processed for other activities and/or purposes which are lawful, reasonable, relevant and not excessive in relation to the purposes set out above, for which it was originally collected;
- 1.3.9.e that, the Contractor indemnifies the Employer and its officials, employees, and directors and undertakes to keep the Employer and its officials, employees, and directors indemnified in respect of any claim, loss, demands, liability, costs and expenses of whatsoever nature which may be made against the Employer (including the costs incurred in defending or contesting any such claim) in relation to the Contractor or the Contractor's employees', representatives' and/or sub-Suppliers' non-compliance with POPIA and/or the Employer's failure to obtain the Contractor's consent or to notify the Contractor of the reason for the processing of the Contractor's personal information;
- 1.3.9.f to the disclosure of the Contractor's personal information by the Employer to any third party, where the Employer has a legal or contractual obligation to disclose such personal information to the third party (or a legitimate interest exists therein);
- 1.3.9.g that, under POPIA, the Contractor may request to access, confirm, request the correction, destruction, or deletion of, or request a description of, personal information held by the Employer in relation to you, subject to applicable law; and
- 1.3.9.h that under POPIA, subject to applicable law, the Contractor also has the right to be notified of a personal information breach and the right to object to, or restrict, the Employer's processing of its personal information.
- 1.3.9.i All requests relating to data protection must be submitted in writing to:
The City Manager - C/o the Information Officer, Corporate Services Directorate
Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001
Via post at: Private Bag X918, Cape Town, 8000
Via fax at: 086 202 9982
Via email at: Popia@capetown.gov.za.
- 1.3.10 As required by section 116(2)(b) of the Local Government: Municipal Financial Management Act 56 of 2003, the CCT shall monitor the performance of the Supplier on at least a monthly basis, and the Supplier agrees to provide the CCT with its full cooperation in this regard.

Clause 3.1

Delete clause

Clause 3.2.2

Add the following at the end of the clause:

If, in exercising any discretion, the result of such decision would be to utilise the contingency allowance, increase the contract value or granting of time for practical completion, the Employer's Agent must obtain approval from the Employer that such funding or time is available and granted by the Employer to be awarded prior to finalising such a decision.

Clause 3.2.3:

The Employer's Agent shall obtain the specific approval of the Employer before executing any of his functions or duties according to the following Clauses of the General Conditions of Contract or Contract Data:

- a) Clause 3.3.1 Nomination of Employer's Agent's Representative
- b) Clause 3.3.4 Employer's Agent's authority to delegate
- c) Clause 5.8.1 Non-working times
- d) Clause 5.11.2 Suspension of the Works
- e) Clause 5.12.4 Acceleration instead of extension of time
- f) Clause 6 All actions in terms of the clause subject to 3.2.2 of Contract Data.
- h) Clause 6.10.10 Advance payment, for items not listed in the Advance Payment Schedule.
- i) Clause 10.1.5 All actions in terms of the clause subject to 3.2.2 of Contract Data..

Clause 3.3.2.2.3:

Delete the words "oral or" from the clause

Clause 3.3.2.2.4:

Delete the words "oral or" from the clause

Clause 4.1:

Add the following Clause after Clause 4.1.2:

- 4.1.3 Where the Contract is based on an alternative tender offer submitted by the Tenderer/Contractor, he shall, notwithstanding acceptance of the offer by the Employer, be liable for any deficiency in the alternatives proposed, for any costs in ensuring that the alternatives meet the Employer's standards and requirements, and for any loss or damage arising out of such error or deficiency.

Clause 5.3.1:

The documentation required before commencement with Works execution is:

- a) Approved Health and Safety Plan (Refer to applicable clause in the Health and Safety Specification in Part C3.5 in the Scope Work)
- b) Initial programme (Refer to Clause 5.6)
- c) Security (Refer to Clause 6.2)
- d) Evidence of Insurance (Refer to Clause 8.6)
- e) Occupational Health and Safety Agreement (Part C1.5 in Agreements and Contract Data)
- f) Letter of good standing from the Compensation Commissioner, or a licensed compensation insurer (Refer to Clause 4.3)
- g) Protection of the Environment Declaration (Part C1.6 in Agreements and Contract Data)
- h) Proof of Registration / Letter of Good Standing with the Bargaining Council for the Civil Engineering Industry (BCCEI)
- i) OHS Construction Work Permit from the Department of Labour
- k) Wayleaves and permits

Add the following to Clause 5.3.1:

Such instruction shall, where applicable, also be subject to the issuing, by the Provincial Director of the Department of Labour, of a construction work permit to perform the intended construction work in terms of Clause 5.3.4 below.

Clause 5.3.2:

The time to submit the documentation required before commencement with Works execution is within **14** days.

Clause 5.3.3:

Add the following to Clause 5.3.3:

Notwithstanding the above, where a construction work permit from the Provincial Director of the Department of Labour is required, commencement of the Works shall not be deemed to take place until such construction work permit has been issued by the Provincial Director.

Clause 5.3.4:

Add the following Clause after Clause 5.3.3:

5.3.4 Application for Construction Work Permit

Where the Employer is required to apply to the Provincial Director of the Department of Labour for a construction work permit to perform the intended construction work, the employer shall do so as soon as possible after the appointment of the contractor has been finalised and the contractor has been appointed as principal contractor in terms of Regulation 5(1)(k) of the Construction Regulations (2014) and upon receipt of relevant documents as stated in clause 5.3.1.

Should the issuing of a construction work permit delay the Employer's Agent's instruction to commence executing the Works and this in turn causes a delay to Practical Completion by more than 60 days, then the Contractor shall be entitled to make a claim in accordance with Clause 10.1. Should, however, the issuing of a construction work permit be delayed by the submission of an unacceptable draft Health and Safety Plan, in the opinion of either the Employer's Health and Safety Agent, or the Provincial Director of the Department of Labour, no claim for an extension of time will be entertained.

Clause 5.4.2:

Access to and possession of the Site shall not be exclusive to the Contractor insofar as the provisions of Clause 4.8 apply, and where ongoing use by the general public is required.

Add the following Clause after Clause 5.4.3:

5.4.4 The Contractor shall bear all costs and charges for special and temporary rights of way required by it in connection with access to the Site.

Clause 5.6.2.3:

Insert the following after "...approvals,":

... permits,

Clause 5.8.1:

The non-working days are Sundays.

The special non-working days are:

- a) All gazetted public holidays.
- b) Year-end break(s) not exceeding 15 working days in duration.

Clause 5.12.2.2:

Add the following to Clause 5.12.2.2:

No extension of time will be granted in respect of any delays attributed to normal climatic conditions. Normal climatic conditions shall be deemed to include normal rainfall and associated wet conditions and materials, strong winds and extremes of temperature. However, in the event that delays to critical activities exceed the number of working days listed below for each month, then abnormal climatic conditions shall be deemed to exist, and an extension of time may be claimed in accordance with the provisions of Clause 5.12.

The number of days quoted below shall be regarded as a fair estimate of the delays to be anticipated and allowed for under normal climatic conditions where inclement weather prevents or disrupts critical work.

January	2 days
February	2 days

March	2 days
April	2 days
May	2 days
June	4 days
July	4 days
August	4 days
September	4 days
October	2 days
November	2 days
December	2 days

Claims for delays for abnormal climatic conditions shall be accompanied by substantiating facts and evidence, which shall be submitted timeously as each day or half-day delay is experienced.

It shall be further noted that where the critical path is not affected, no extension of time for abnormal climatic conditions or for any other reason will be entertained.

Clause 5.13.1:

The penalty for failing to complete the Works is **R20 027** per day.

Insert the following after "actual date of Practical Completion":

... or, in the case of termination by the Employer in terms of Clause 9.2.1, the actual date of termination,

Clause 5.16.3:

The latent defects period is **10** years.

Clause 6.2.1:

The security to be provided by the Contractor shall be a performance guarantee of **7%** of the Contract Sum. The performance guarantee shall contain the precise wording of the document included in Part C1.3 of the Contract Data: **Form of Performance Guarantee**, and it shall be issued by a financial institution approved by the Employer at the date when the guarantee is issued. The list of approved financial institutions current at the date of tender is attached to the **Form of Performance Guarantee**.

Clause 6.2.2:

Delete Clause 6.2.2 in its entirety.

Clause 6.2.3:

Delete Clause 6.2.3 in its entirety and replace with the following:

The Contractor shall ensure that the performance guarantee remains valid and enforceable until the Certificate of Completion of the Works is issued.

Clause 6.5.1.2.3:

The percentage allowance to cover overhead charges is **10%**

Clause 6.8.2:

Add the following to Clause 6.8.2:

The Contract Price shall be subject to contract price adjustment in accordance with Clause 6.8 of the General Conditions of Contract.

If special materials are specified in Part 2 of the Contract Data then the provisions of Clause 6.8.3 of the General Conditions of Contract shall apply to such special materials.

Where applicable, in terms of the foregoing, the value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule with the following values for "Concrete works" and/or "Roads and earthworks":

The value of "x" is 0,10.

The values of the coefficients for "Concrete works" are:

a = 0,25 b = 0,15 c = 0,55 d = 0,05

The values of the coefficients for "Roads and earthworks" are:

a = 0,21 b = 0,27 c = 0,42 d = 0,10

The base month is one month prior to the month in which the tender closed

Furthermore, the Contract Price Adjustment Schedule shall be amended as follows:

"L" is the "Labour Index" and shall be the Consumer Price Index (CPI) for "All items (CPI Headline)", as published in the Statistical News Release, P0141: Table A – Consumer Price Index: Main Indices of Statistics South Africa.

"P" is the "Plant Index" and shall be the Construction Materials Price Index for "Plant and Equipment" as published in the Statistical News Release P0151.1, Table 4 – Mining and construction plant and equipment price index of Statistics South Africa..

"M" is the "Materials Index" and shall be the Construction Materials Price Index for selected materials, Materials for "Civil Engineering material – roads, general (excluding bitumen)," as published in the Statistical News Release P0151.1, Table 6 – Civil engineering material price indices of Statistics South Africa

"F" is the "Fuel Index" and shall be the Producer Price Index (PPI) for "Coal and Petroleum Products - Diesel", as published in the Statistical News Release P0142.1: Table 1 –PPI for final manufactured goods of Statistics South Africa.

The amount "Ac" shall be sub-divided into Ac₁ and Ac₂, as appropriate, and each of these shall be multiplied by its Contract Price Adjustment Factor (CPAF), with the resultant amounts added together to produce the adjustment as envisaged in the CPA Schedule:

where

Ac₁ is the proportion of Ac applicable to "Concrete works", and
Ac₂ is the proportion of Ac applicable to "Roads and earthworks"

and where

Ac₁ = T₁ – S₁ – D₁ – E₁ – G₁ – Ap₁, and
Ac₂ = T₂ – S₂ – D₂ – E₂ – G₂ – Ap₂

in which formulae the values associated with the symbols T₁ and T₂.... Ap₁ and Ap₂ shall be applicable to the proportions of T Ap in "Concrete works" and "Roads and earthworks", respectively.

Furthermore, the value of the General Items shall be proportional to the value of work done and materials on Site in T₁ and T₂ respectively.

Clause 6.8.3: Variation in the cost of special materials

Price adjustment for variations in the cost of special materials is provided for in the Special Materials Schedule at the end of this Part 1: Contract Data provided by the Employer.

Clause 4.2 of the Contract Price Adjustment Schedule

Delete the words "by the Contractor" that appear after ".... entered in the Contract Data"

Clause 6.8.4:

Add the following to Clause 6.8.4:

Notwithstanding the above, in the event that a public holiday is proclaimed after 28 days before the closing date for tenders, no costs other than those that can be claimed under Clause 5.12.3 shall be added to the contract price.

Add the following after Clause 6.8.4:

6.8.5. If price adjustment for variations in the cost of plant and materials imported from outside of South Africa is provided for in the contract data, such adjustment shall be based on the information contained on the schedule titled "**Price Basis for Imported Resources**" and as below. For the purposes of this clause the Rand value of imported Plant and Materials inserted on the schedule titled "**Price Basis for Imported Resources**" (column (F)) shall be the value in foreign currency (column (A)) converted to South African Rand (column (C)) by using the closing spot selling rate quoted by **Employer's** main banker, NEDBANK, on the Base Date (seven calendar days before tender closing date) rounded to the second decimal place (column (B)), to which shall be added any Customs Surcharge and Customs Duty applicable at that date (columns (D) and (E)).

6.8.5.1 Adjustment for variations in rates of exchange:

- (a) The value in foreign currency inserted in column (A) shall be subject to clause (h) below when recalculating the Rand value.
- (b) The rate of exchange inserted in column (B) shall be the closing spot selling rate quoted by **Employer's** main banker, NEDBANK, on the Base Date, rounded to the second decimal place, subject to sub-paragraph (c) below.
- (c) If the rate of exchange inserted by the Tenderer differs from the NEDBANK rate referred to above, then the NEDBANK rate shall apply and the Rand value in columns (C) and (F) shall be recalculated accordingly, without altering the price in the Schedules of Quantities for the relevant items.
- (d) If a tender from a supplier or sub-contractor provides for variations in rates of exchange, the Contractor may **only** claim for variations in rates of exchange if he binds the supplier or sub-contractor to the same provision to take out forward cover as described in sub-paragraph (e) below.
- (e) The Contractor (or supplier or sub-contractor) shall within five working days from the date of placing a firm order on an overseas supplier, cover or recover forward by way of a contract with a bank which is an authorised foreign exchange dealer, the foreign exchange component of the cost of any imported Plant and Materials inserted by the Tenderer on the schedule titled "**Price Basis for Imported Resources**".
- (f) When the Contractor (or supplier or sub-contractor) so obtains forward cover, the Contractor shall immediately notify the Employer of the rate obtained and furnish the Employer with a copy of the foreign exchange contract note.
- (g) Based on the evidence provided in sub-paragraph (f) above, the value in Rand inserted in column (C) on the schedule titled "**Price Basis for Imported Resources**" shall be recalculated using the forward cover rate obtained, and any increase or decrease in the Rand value defined in this clause shall be adjusted accordingly, subject to sub-paragraph (h) below. Failure to provide such evidence shall result in no such recalculation shall be considered by the Employer.
- (h) The adjustments shall be calculated upon the value in foreign currency in the Contractor's (or supplier's or sub-contractor's) **forward cover contract**, provided that, should this value exceed the value in foreign currency inserted in column (A) of the schedule titled "**Price Basis for Imported Resources**", then the value in column (A) shall be used.

6.8.5.2 Adjustment for variations in customs surcharge and customs duty

- (a) Any increase or decrease in the Rand value between the amounts of Customs Surcharge and Customs Duty inserted on the schedule titled "**Price Basis for Imported Resources**" and those amounts actually paid to the Customs and Excise Authorities, which are due to changes in the percentage rates applicable or to the foreign exchange rate used by the authorities, shall be adjusted accordingly.

- (b) The Tenderer shall state the Customs Duty Tariff Reference applicable to each item and the Contractor shall advise the Employer's Agent of any changes which occur.

6.8.5.3 Adjustment for variation in labour and material Costs

If the prices for imported Plant and Materials are not fixed, the Contractor shall in his Tender specify the formula for calculating Contract Price Adjustments normally used in the country of manufacture and the indices and relative proportions of labour and material on which his Tender prices are based. Evidence of the indices applicable shall be provided with each claim. The indices applicable 42 days before contractual dispatch date from the factory will be used for the purposes of Contract Price Adjustment.

Failure to specify a formula in the Tender shall mean that the prices are fixed or shall be deemed to be fixed.

Clause 6.10.1.5:

Delete Clause 6.10.1.5 in its entirety and replace with the following:

6.10.1.5 The value of Plant and materials:

- 6.10.1.5.1** up to a percentage limit of **80%** for the Plant and materials referred to in Clause 6.9.1.1 brought on to the Site but not yet built into the Permanent Works;

Provided that the Contractor has produced documentary evidence of ownership of such Plant and/or materials and has delivered to the Employer an indemnity, approved in writing by the Employer, against any claim to or in respect of such Plant and/or materials by reason of the Contractor's sequestration or liquidation, or of any defect in the Contractor's title to the Plant and/or materials;

- 6.10.1.5.2** which have been manufactured and are stored at places other than the Site, in respect of which the Employer has indicated, on the Advance Payment Schedule, that advance payment will be permitted;

- 6.10.1.5.3** for which a deposit with order is required from the Contractor by a manufacturer/supplier, only in respect of which the Employer has indicated, on the Advance Payment Schedule, that advance payment will be permitted;

The terms and conditions for advance payment are set out in Clause 6.10.10 and in the Advance Payment Schedule at the end of this Part 1: Contract Data provided by the Employer.

Clause 6.10.1.7:

Add the following after the words "Clause 5.13":

or any other fines or penalties that become due under the Contract.

Clause 6.10.3:

Add the following to Clause 6.10.3:

Notwithstanding the provision of a performance guarantee in terms of Clause 6.2.1, interim payments to the Contractor shall be subject to a retention by the Employer of an amount of **5%** of the said amounts due to the Contractor, with no limit. A guarantee in lieu of retention is not permitted.

Clause 6.10.4:

Add the following to the last sentence of Clause 6.10.4:

..., dated as at the date of delivery of the Contractor's statement to the Employer's Agent.

Add the following to Clause 6.10.4:

Notwithstanding the above, the Employer's Agent shall be empowered to withhold the delivery of the payment certificate until the Contractor has complied with his obligations to report in terms of Clause 4.10.2 and as described in the Scope of Work.

The Contractor may submit a fully motivated application regarding more frequent payment to the Employer's Agent to be submitted to the Employer for consideration. Requests for more frequent payments will be considered at the sole discretion of the Employer and is not a right in terms of this contract.

Clause 6.10.10:

Add the following Clause after Clause 6.10.9:

6.10.10 Advance payment

Subject to Clauses 6.10.1.5.2 and 6.10.1.5.3, and the Advance Payment Schedule, the Employer shall make an advance payment for Plant and materials stored at places other than the Site, or in respect of which a deposit with order is required, only once the Contractor has submitted an advance payment guarantee in accordance with this Clause, the authenticity of which has been verified by the City's Treasury Department..

Unless and until the Employer receives this guarantee, the following paragraphs shall not apply.

The Employer's Agent shall issue an Interim Payment Certificate for, or including, advance payment after receiving a statement under Clause 6.10.1 and after the Employer has received a guarantee in an amount equal to the advance payment requested. This guarantee shall be issued by a financial institution approved by the Employer, as listed in the Annexure in Part C1.3 of the Contract Data, and shall be in the form of and shall contain the precise wording of the document included in Part C1.4: **Form of Advance Payment Guarantee** and shall come into force, be administered and expire in terms thereof.

The Employer shall return the guarantee to the Contractor within 14 days after the expiry date.

The provision of the Advanced Payment Guarantee shall be at the Contractor's cost.

The term "deposit" or "deposit with order" used in the context of this Clause and elsewhere by reference to this Clause, means a sum payable by the Contractor to a manufacturer/supplier prior to the manufacture of an item of Plant or material, required at the time of placing an order, the balance of the value of the item being payable later.

Clause 8.6.1.1.2:

The value of Plant and materials supplied by the Employer to be included in the insurance sum is **R 0.00 (Nil)**.

Clause 8.6.1.1.3:

The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is **R0.00 (Nil)**.

Clause 8.6.1.3:

The limit of indemnity for liability insurance is R20 000 000.00 for any single claim – the number of claims to be unlimited during the construction and defects liability periods.

Clause 8.6.1.5:

In addition to the insurances required in terms of General Conditions of Contract Clauses 8.6.1.1 to 8.6.1.4 the following insurance is also required:

- a) Insurance of Construction Equipment (including tools, offices and other temporary structures and contents) and other things (except those intended for incorporation into the Works) brought onto the site for a sum sufficient to provide for their replacement.
- b) Insurance in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.
- c) Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability Indemnity.
- d) Where the contract involves manufacturing and/or fabrication of the works or part thereof at premises other than the Site, the Contractor shall satisfy the Employer that all materials and equipment for incorporation in the works are adequately insured during manufacture and/or fabrication. In the event of the Employer having an insurable interest in such works during manufacture or fabrication then such interest shall be noted by endorsement to the Contractor's Policies of Insurance.

Clause 8.6.5:

Delete the following from Clause 8.6.5:

"and the terms thereof shall be subject to the approval of the Employer's Agent, which approval shall not be unreasonably withheld."

Clause 8.6.6:

Replace clause 8.6.6 with the following:

The Contractor shall provide evidence in the form stated in the contract data to the Employer's Agent that the required insurances are effected and that all premiums thereunder have been paid.

Clause 9.1:

In Clause 9.1.6 replace "and 9.1.3" with:

, 9.1.3 and 9.1.7

Add the following Clause after Clause 9.1.6:

9.1.7 Death of Sole Proprietor/Member

Upon the death of the Contractor who was a Sole Proprietor, or a sole member of a Close Corporation, the Contract will terminate forthwith. The Employer shall pay to the Contractor's estate any money which it considers due under the Contract in terms of Clause 9.1.5, in full and final settlement thereof.

9.1.8 Material Irregularity during procurement process

The Employer may terminate the contract if a material irregularity vitiates the procurement process leading to the conclusion of the contract, rendering the procurement process and the conclusion of the resulting contract unfair, inequitable, non-transparent, uncompetitive or not cost-effective, provided the Employer follows the processes as described in its SCM Policy.

9.1.9 Reputational risk or harm to the Employer

The Employer, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate the contract if the implementation of the contract may result in reputational risk or harm to the City as a result of (inter alia):

- 9.1.9.1 reports of poor governance and/or unethical behaviour;
- 9.1.9.2 association with known notorious individuals and family of notorious individuals;
- 9.1.9.3 poor performance issues, known to the Employer;
- 9.1.9.4 negative social media reports;
- 9.1.9.5 adverse assurance (e.g. due diligence) report outcomes;
- 9.1.9.6 where the contractor has been restricted from doing business with the Employer; or
- 9.1.9.7 circumstances where the relevant vendor has employed, or is directed by, anyone who was previously employed in the service of the state (as defined in clause 1.53), where the person is or was negatively implicated in any SCM irregularity.

Add the following Clause after Clause 9.2.3:

9.2.4 Employer's Elections in case of Insolvency

In addition to anything else contained in this contract, the Employer may make either of the following elections to ensure its rights are protected and any negative impact on service delivery is mitigated:

- 9.2.4.1 At any time, terminate the Contract by giving written notice to the Supplier; or
- 9.2.4.2 accept a contractor's proposal (via the trustee / liquidator) to render delivery utilising the appropriate contractual mechanisms or takes steps to ensure its rights are protected and any negative impact on service delivery is mitigated.

Clause 10.5.3:

The number of ad-hoc Adjudication Board Members to be appointed is 1(one).

ADDITIONAL CONDITIONS OF CONTRACT

Add the following Clause after Clause 10:

Clause 11 Details to be confidential

The Contractor shall treat the details of the Works comprised in this Contract as private and confidential (save in so far as may be necessary for the purposes hereof) and shall not publish or disclose the same or any particulars thereof in any trade or technical paper elsewhere without the prior written consent of the Employer's Agent.

SPECIAL MATERIALS SCHEDULE

Each material dealt with as a special material in terms of Clause 4.1 of the Contract Price Adjustment Schedule of the General Conditions of Contract is stated in the list below. The provisions of Clause 6.8.3 of the General Conditions of Contract shall apply to such special materials. The base prices for the special materials (current at the time of tender) shall be as stated in the schedule below, or where required, shall be furnished by the tenderer/contractor. Only those materials listed by the Employer below shall be considered as special materials.

Special Material	Unit	Base Price
Bitumen (50/70 penetration grade)	t	R 15 300 (Sept 2025)
Bitumen (70/100 penetration grade)	t	R 15 300 (Sept 2025))
Structural steel	t	The STATS SA Construction Material Price Indices, statistical release P0151.1 Table 3 applicable reinforcing and structural steel basic products index value, current at the time of tender closing, will be used as the base prices for determining the adjustment in steel prices.
Steel reinforcing bars	t	
Steel used in the manufacture of pipes	t	
Steel used in the manufacture of street light poles	t	

Conditions:

- 1) When called upon to do so, the contractor shall substantiate the prices to be used to determine the adjustment in respect of the special materials listed above with acceptable documentary evidence.
- 2) In the case of bituminous products, the Employer has provided, in the schedule above, a base rate for bitumen upon which the tendered rates will be deemed to be based, and which will be used for determining the adjustment in the price of such bituminous products.
- 3) Where an adjustment for the variation in the price of bituminous products is claimed, the claim must be substantiated by a declaration from the manufacturer, confirming the source of bitumen used in such bituminous products at the time in question.
- 4) Where the source of bitumen (the refinery) is located in the Western Cape Province, or where bitumen sourced from abroad is landed at a port in the Western Cape, the cost of transporting such bitumen within the boundaries of the Western Cape shall be included in the rate for bituminous products. Extra-over rates to cover the cost of transporting bitumen from beyond the borders of the Western Cape have been measured separately in the Bill of Quantities.
- 5) Where imported bitumen used in bituminous products is landed at a port beyond the borders of the Western Cape, the importers must clearly state whether or not their price is inclusive of transport to the Western Cape, which will determine whether extra-over transport costs are applicable, or not. The price of the imported bitumen itself must be expressed as a landed price in ZAR.

ADVANCE PAYMENT SCHEDULE	
This Advance Payment Schedule is to be read in conjunction with Clauses 6.10.1.5.2, 6.10.1.5.3 and 6.10.10 in the Contract Specific Data. The purpose of this schedule is to itemise specific Plant and materials not yet brought on to the Site for building into the Permanent Works and for which the Employer is prepared to make advance payments to the Contractor, subject to the conditions below. The items of Plant and materials which have been identified by the Employer as being suitable for advance payment in terms of the Contract are listed in the table below. Should an item or items be added to the list at tender stage by a tenderer, such item(s) will not be binding on the Employer.	
Plant and materials which have been manufactured and are stored at places other than the Site:	Plant and materials yet to be manufactured and for which a deposit with order is required from the Contractor by a manufacturer/supplier, and which may be stored at places other than the Site after manufacture:
	Pipes and valves for large diameter pipelines
Conditions: 1) The Contractor can only rely on advance payment being permitted by the Employer in respect of the Plant and materials listed in the table above. The Employer may, however, permit advance payment for other Plant and materials in exceptional circumstances and at its sole discretion, during the course of the Contract, and upon reasonable request from the Contractor. 2) Advance payment for the purposes of deposits will only be provided up to a limit of 20% of the value of any one item being claimed. 3) The Contractor shall provide the Employer with documentary evidence of the terms and conditions for which a deposit with order is required by a manufacturer/supplier, together with the advance payment guarantee. 4) The Contractor will also be permitted to obtain advance payment for the balance of the value of the Plant and materials in respect of which he has paid a deposit, for an item which after manufacture is stored at a place other than the Site. The Contractor shall, in respect of such payment, provide an advance payment guarantee, either for such balance or, if the advance payment guarantee in respect of the deposit is to be returned by the Employer upon request, for the whole value of the item.	

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

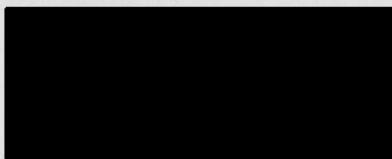
C1.2 Contract Data (continued)

Part 2: Data provided by the Contractor

The name of the Contractor is AMANDLA GCF CONSTRUCTION CC

The address of the Contractor is

Physical :
Address



Postal :
Address



Telephone :



Fax:

email :



CONTRACTOR'S ANNUAL HOLIDAY PERIODS DURING CONSTRUCTION PERIOD

Year 1 contractor's annual holiday period	Start date 15.12.2025		End date 6.1.2026
Year 2 contractor's annual holiday period	Start date 14.12.2026		End date 6.1.2027
Year 3 contractor's annual holiday period	Start date 15.12.2027		End date 6.1.2028
Year 4 contractor's annual holiday period	Start date 15.12.2028		End date 5.1.2029

1. The first part of the report is a general introduction to the project. It describes the purpose of the study and the scope of the work. It also mentions the names of the people involved in the project.

2. The second part of the report is a detailed description of the methods used in the study. It explains how the data was collected and how it was analyzed.

3. The third part of the report is a discussion of the results of the study. It compares the findings with previous research and discusses the implications of the results.

4. The fourth part of the report is a conclusion. It summarizes the main findings of the study and provides some suggestions for future research.

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CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.3 Form of Performance Guarantee

PERFORMANCE GUARANTEE

For use with the Conditions of Contract as described in C1.2: Contract Data Part 1: Contract Data provided by the Employer

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

"Physical address:

"Employer" means: The City of Cape Town, URBAN MOBILITY DIRECTORATE .

"Contractor" means:

"Employer's Agent" means:

"Works" means: 72Q/2025/26 : UPGRADE OF VOORTREKKER ROAD, FROM 4th AVENUE TO 12TH AVENUE, MAITLAND

"Site" means: The site as defined in the Contract Data.

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

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

Amount in words:

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

Amount in words:

"Expiry Date" means: The date of issue by the Employer's Agent of the Certificate of Completion of the Works.

CONTRACT DETAILS

Employer's Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate of Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

1. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

3. The Guarantor hereby acknowledges that:
 - 3.1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3.2 its obligation under this Performance Guarantee is restricted to the payment of money.
4. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.
5. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 5.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
 - 5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
7. Where the Guarantor has made payment in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
8. Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
9. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
10. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
11. This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
12. This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.

13. Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

ANNEXURE

LIST OF APPROVED FINANCIAL INSTITUTIONS

The following financial institutions are currently (as at 28 February 2023) approved for issue of contract guarantees to the City:

National Banks:

ABSA Bank Limited
FirstRand Bank Limited
Investec Bank Limited
Nedbank Limited.
Standard Bank of SA Limited

International Banks (with branches in South Africa):

Barclays Bank PLC.
CitibankNA
Credit Agricole Corporate and Investment Bank
HSBC Bank PLC
JP Morgan Chase Bank
Societe Generale
Standard Chartered Bank

Insurance companies:

American International Group Inc (AIG)
Bryte Insurance Company Limited
Coface SA
Compass Insurance Company Limited
Credit Guarantee Insurance Corporation of Africa
Guardrisk Insurance Company Limited
Hollard Insurance Company Limited
Infiniti Insurance Limited
Lombard Insurance Company Limited
Mutal and Federal Risk Financing Limited
New National Assurance Company Limited
PSG Konsult Ltd (previously Absa Insurance)
Regent Insurance Company Limited
Renasa Insurance
Santam Limited

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.4 Form of Advance Payment Guarantee

ADVANCE PAYMENT GUARANTEE

For use with the Conditions of Contract as described in C1.2: Contract Data Part 1: Contract Data provided by the Employer

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

"Physical address:

"Employer" means: The City of Cape Town, URBAN MOBILITY DIRECTORATE .

"Contractor" means:

"Employer's Agent" means:

"Works" means: 72Q/2025/26: UPGRADE OF VOORTREKKER ROAD, FROM 4th AVENUE TO 12TH AVENUE, MAITLAND

"Site" means: The site as defined in the Contract Data.

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

"Plant and materials" means: The Plant and materials stored at places other than the Site, or in respect of which an advance payment prior to manufacture is required, which the Employer has agreed may be subject to advance payment, such Plant and materials being listed in the Schedule of Plant and materials.

"Schedule of Plant and materials" means: A list of Plant and materials which shows the value thereof to be included in the Guaranteed Advance Payment Sum.

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

Amount in words:

"Expiry Date" means: The date of the payment certificate wherein the Plant and materials have been certified by the Employer's Agent as having been built into the Permanent Works.

CONTRACT DETAILS

Employer's Agent issues: Interim Payment Certificates and Final Payment Certificate.

ADVANCE PAYMENT GUARANTEE

1. The Guarantor's liability shall be limited to the amount of the Guaranteed Advance Payment Sum.
2. The Guarantor's period of liability shall be from and including the date of issue of this Advance Payment Guarantee and up to and including the Expiry Date or the date of payment in full of the Guaranteed Advanced Payment Sum, whichever occurs first.

3. The Guarantor hereby acknowledges that:
 - 3.1 any reference in this Advance Payment Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3.2 its obligation under this Advance Payment Guarantee is restricted to the payment of money.
4. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.
5. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Advance Payment Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Advance Payment Guarantee, such demand stating that:
 - 5.1 the Contract has been terminated due to the Contractor's default and that this Advance Payment Guarantee is called up in terms of 5; or
 - 5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Advance Payment Guarantee is called up in terms of 5; and
 - 5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
7. Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
9. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Advance Payment Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
10. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
11. This Advance Payment Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
12. This Advance Payment Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.

13. Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

Schedule of Plant and materials

For use with Advance Payment Guarantees on contracts using the General Conditions of Contract for Construction Works, Third Edition, 2015.

Employer The City of Cape Town, URBAN MOBILITY DIRECTORATE

Contractor

Works 72Q/2025/26: UPGRADE OF VOORTREKKER ROAD, FROM 4th AVENUE TO 12TH AVENUE, MAITLAND

Payment Certificate No.

Advance payment is requested in respect of the following items of Plant and materials, which have been manufactured and are stored at places other than the Site, or in respect of which a deposit with order is required from the Contractor by a manufacturer/supplier:

Bill of Quantities item no.	Description of Plant and materials	Deposit with order required (Y/N)	Place of storage (or manufacture, if deposit with order is required)	Unit	Quantity	Unit price R c	Total Price R c
Total Value of Plant and materials to be included in Guaranteed Advance Payment Sum						R	

Signed at on the day of20.....

..... As witness

..... Approved by Employer's Agent

Contract

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.5 Occupational Health and Safety Agreement

AGREEMENT MADE AND ENTERED INTO BETWEEN THE CITY OF CAPE TOWN (HEREINAFTER CALLED THE "EMPLOYER") AND

AMANDLAGCF CONSTRUCTION cc

(Contractor/Mandatar/Company/CC Name)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 85 OF 1993 AS AMENDED.

I, [REDACTED], representing

AMANDLAGCF CONSTRUCTION cc

, as an employer in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work will be performed, and all equipment, machinery or plant used in such a manner as to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the Regulations promulgated thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that all registration and assessment monies due to the Compensation Commissioner have been fully paid or that I/We are insured with an approved licensed compensation insurer.

COID ACT Registration Number: [REDACTED]

OR Compensation Insurer: [REDACTED] Policy No.: [REDACTED]

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHSA and Regulations as well as the Council's Special Conditions of Contract, Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the Occupational Health and Safety Specifications contained in this tender and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan submitted and approved in terms thereof.

Signed at [REDACTED] on the 13 day of NOVEMBER 2025

Witness

[REDACTED]
Mandatar

Signed at [REDACTED] on the [REDACTED] day of [REDACTED] 20 [REDACTED]

Witness

[REDACTED]
for and on behalf of
City of Cape Town

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.6 Protection of the Environment Declaration

PROTECTION OF THE ENVIRONMENT DECLARATION

The Contractor will not be given right of access to the Site until this form has been signed

CONTRACT NO.: 72Q/2025/26

CONTRACT TITLE: UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

I/ we, [REDACTED] {Contractor} record as follows:

1. I/ we, the undersigned, do hereby declare that I/ we am/ are aware of the increasing requirement by society that construction activities shall be carried out with due regard to their impact on the environment.
2. In view of this requirement of society and a corresponding requirement by the Employer with regard to this Contract, I/ we will, in addition to complying with the letter of the terms of the Contract dealing with protection of the environment, also take into consideration the spirit of such requirements and will, in selecting appropriate employees, plant, materials and methods of construction, in-so-far as I/ we have the choice, include in the analysis not only the technical and economic (both financial and with regard to time) aspects but also the impact on the environment of the options. In this regard, I/ we recognise and accept the need to abide by the "precautionary principle" which aims to ensure the protection of the environment by the adoption of the most environmentally sensitive construction approach in the face of uncertainty with regard to the environmental implications of construction.
3. I/ we declare that I/ we have read and understood the contents of the Environmental Management Programme (which is comprised of the Environmental Management Specification and its Annexures) for this Contract, and that I/ we understand my/our responsibilities in terms of enforcing and implementing the Environmental Management Programme. I/ we also declare that I/ we have made appropriate provision in my/ our pricing of the Bills of Quantities items for the Environmental Management Programme.
4. I/ we acknowledge and accept the right of the Employer to deduct, should he so wish, from any amounts due to me/ us, such amounts (hereinafter referred to as fines) as the Employer's Agent shall certify as being warranted in view of my/ our failure to comply with the terms of the Contract dealing with protection of the environment, subject to the following:
 - 4.1 The Employer's Agent, in determining the amount of such fine, shall take into account, *inter alia*, the nature of the offence, the seriousness of its impact on the environment, the degree of prior compliance/non-compliance, the extent of the Contractor's overall compliance with environmental protection requirements and, in particular, the extent to which he considers it necessary to impose a sanction in order to eliminate/reduce future occurrences
 - 4.2 The Employer's Agent shall, with respect to any fine imposed, provide me/ us with a written statement giving details of the offence, the facts on which the Employer's Agent has based his assessment and the terms of the Contract (by reference to the specific clause) which has been contravened.

Signed
CONTRACTOR [REDACTED]

Date 13 NOVEMBER 2025

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.7 Insurance Broker's Warranty

Pro Forma



Letterhead of Contractor's Insurance Broker

Date _____

CITY OF CAPE TOWN
City Manager
Civic Centre
12 Hertzog Boulevard
Cape Town
8000

Dear Sir

CONTRACT NO.: 72Q/2025/26

CONTRACT TITLE: UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

NAME OF CONTRACTOR: _____

I, the undersigned, do hereby confirm and warrant that all the insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket/umbrella policies, have been endorsed to reflect the interests of the CITY OF CAPE TOWN with regard to the abovementioned contract, and that all the insurances and endorsements, etc., are all in accordance with the requirements of the contract.

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

Yours faithfully

Signed: _____

For: _____

CITY OF CAPE TOWN

URBAN MOBILITY DIRECTORATE: TRANSPORT INFRASTRUCTURE IMPLEMENTATION

CONTRACT NO. 72Q/2025/26

UPGRADE OF VOORTREKKER ROAD, FROM 4TH AVENUE TO 12TH AVENUE, MAITLAND

C1.8 Contract of Temporary Employment as Community Liaison Officer

Construction Contract No.:

PROJECT

AGREEMENT made between the CONTRACTOR and the Community Liaison Officer....., hereafter referred to as the CLO, for the appointment and employment of a CLO for the duration of the work in respect of the above named construction contract.

1. THE PARTIES HAVE AGREED THAT

The CLO will be employed by the CONTRACTOR on a temporary basis for the duration of the work from the date of signing this agreement to the date of practical completion as defined in the Contract, subject to all the conditions set out below.

2. THE DUTIES OF THE COMMUNITY LIAISON OFFICER SHALL BE:

1. to keep the community informed on the progress of the project;
2. to keep the Contractor informed on relevant Community affairs and possible grievances;
3. to manage the recruitment of workers from the Sub-Council Job-Seekers Database;
4. to assist the Contractor's supervisory staff in the management of the workers.

3. THE FOLLOWING CONDITIONS OF EMPLOYMENT SHALL APPLY:

The Conditions of Temporary Employment as applicable on this Contract for the workers recruited from the Community shall apply equally to the CLO, except that the rate of remuneration shall be R..... per working day. These conditions that apply are listed below as they appear in the Contract of Temporary Employment:

- 3.1 If required to work on a statutory public holiday or Sunday the payment will be double the amount stated in the previous paragraph.
- 3.2 Maximum hours of work:
 - (i) 9¼ hours per day
 - (ii) 45 hours per week;
 - (iii) 5 days per week;
 - (iv) 5 hours without an interval, whereupon there shall be an interval of at least 30 minutes;
 - (v) A spread-over period of 12 hours.
- 3.3 The CLO shall be entitled to payment where he is prevented from working by reasons which are within the control of the Contractor.
- 3.4 On days when it is raining the Contractor may, before 9 a.m., decide not to open the site and there will be no pay.

If the Contractor closes the site between 9 a.m. and 1 p.m., the CLO will be paid half the daily wage.

If the site works later than 1 p.m., the CLO will be paid the full daily wage.

- 3.5 Workers and the CLO will not be permitted to work under conditions of:
- (i) undisciplined or unruly behaviour;
 - (ii) insubordination to Team Leader, Supervisors or Management;
 - (iii) abuse of intoxicating substances;
 - (iv) criminal actions by the employee;
 - (v) strike action or political stayaways.
- 3.6 Workers, including the CLO, may be dismissed after two official written warnings for the following behaviour:
- (i) undisciplined or unruly behaviour;
 - (ii) insubordination to Team Leader, Supervisors or Management;
 - (iii) abuse of intoxicating substances;
 - (iv) wilful or negligent damage to or loss of machines or equipment.
- The Contractor shall ensure that he has statements from at least two witnesses concerning any of the above situations.
The Contractor shall inform the CLO within 24 hours of any warning issued to workers employed from the Job-Seekers Database.
- 3.7 The CLO will be paid on a Friday afternoon every two weeks, one week in arrears.
- 3.8 The CLO shall be given a statement with each payment on which is recorded:
- (i) the name of the Contractor;
 - (ii) the CLO's name;
 - (iii) the number of days worked by the CLO;
 - (iv) the rate per day;
 - (v) the details of any deductions made;
 - (vi) the actual amount paid to the CLO.
- 3.9 No deduction shall be made from the remuneration except where the CLO consents in writing or unless the Contractor is permitted or required to do so by law or the order of any competent court.
- 3.10 The CLO shall be supplied free of charge with all health and safety equipment required by the Occupation Health and Safety Act. The equipment shall remain the property of the Contractor.
- 3.11 The Contractor must give the CLO at least one week's notice of the termination of the Contract of Temporary Employment. If this is not done, the CLO must be paid earnings for five days. This condition does not apply if the CLO is dismissed.
- 3.12 At the end of the period of temporary employment, the Contractor shall provide a Certificate of Service recording the Contractor's name, the CLO's name and address, the period of service, the type of work on which the CLO was engaged and the rate of remuneration on termination.

4. TERMINATION OF AGREEMENT

- 4.1 If the CLO can no longer perform and execute his/her duties as detailed in this agreement, this agreement will be terminated without prejudice to any rights under this agreement.

5. THE CONDITIONS OF THIS AGREEMENT

- 5.1 The parties expressly declare that this agreement contains all the conditions negotiated between them, and no condition or stipulation not contained herein shall be binding upon the parties.

6. THUS AGREED AND SIGNED BY THE PARTIES:

Contractor:

Community Liaison officer:

Date:

TENDER NO. 72Q/2025/26



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

SCM – 509 Approved by Branch Manager: 15/07/2024

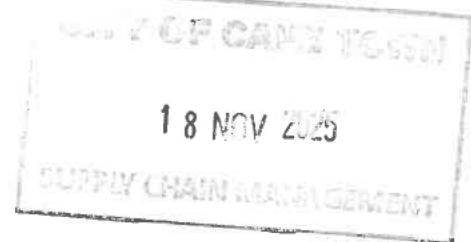
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CONTRACT DOCUMENT

FOR THE

UPGRADE OF VOORTREKKER ROAD, FROM 4th AVENUE TO 12TH AVENUE, MAITLAND

THE TENDER



NOTE:

- The Form of Offer and Acceptance (C1.1) is on **page 42** of this document
- Table 1: Tender Preference Claim Form is on **page 657** of this document

ISSUED BY:	COMPILED BY:	For official use.
DIRECTOR: INFRASTRUCTURE IMPLEMENTATION, URBAN MOBILITY DIRECTORATE Tower Block, Civic Centre 12 Hertzog Boulevard CAPE TOWN 8001	HHO Consulting Engineers (Pty) Ltd 14th Floor, The Towers South 2 Hertzog Boulevard CAPE TOWN 8001	TENDER SERIAL No.:
		SIGNATURES OF CITY OFFICIALS AT TENDER OPENING

OCTOBER 2025

NAME OF TENDERING ENTITY	AMANDLORSE CONSTRUCTION
EMAIL ADDRESS OF TENDERING ENTITY	
FAX NUMBER OF TENDERING ENTITY	
NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause C.2.12)	R212 690 620,04
Alternative Offer (see clause C.2.12)	

FILE REFERENCE NO:

Making progress possible. Together.

CITY OF CAPE TOWN

TRANSPORT INFRASTRUCTURE IMPLEMENTATION

URBAN MOBILITY DIRECTORATE

CONTRACT NO. 72Q/2025/26

SCHEDULE 1 : GENERAL

C1.2: GENERAL REQUIREMENTS AND PROVISIONS

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL

C1.2: GENERAL REQUIREMENTS AND PROVISIONS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						3194 000.00
C1.2.8.2	(e)	Foreman	hour (h)	400.0	185.00	74 000.00
	(f)	Skilled Artisan	hour (h)	400.0	85.00	34 000.00
	(g)	Flagman	hour (h)	800.0	55.00	44 000.00
		Construction equipment (specify size and / or model number):				
	(a)	Motor grader	hour (h)	80.0	850.00	68 000.00
	(b)	Vibratory roller	hour (h)	60.0	150.00	9 000.00
	(c)	Pneumatic roller	hour (h)	60.0	450.00	27 000.00
	(d)	Front end loader	hour (h)	120.0	500.00	60 000.00
	(e)	Tractor loader backhoe	hour (h)	60.0	500.00	30 000.00
	(f)	Excavator	hour (h)	80.0	850.00	68 000.00
C1.2.8.3	(g)	Compressor	hour (h)	80.0	100.00	8 000.00
		Vehicles (specify size):				
	(a)	Light delivery vehicle	kilometre (km)	5 000.0	4.00	20 000.00
	(b)	Flatbed truck	kilometre (km)	2 000.0	12.50	25 000.00
C1.2.8.4	(c)	Tipper truck	kilometre (km)	3 200.0	15.00	48 000.00
		Materials:				
	(a)	Procurement of materials	provisional sum (Prov. Sum)	1.0	750 000.00	750 000.00
	(b)	Contractor's handling costs, profit and all other charges in respect of item C1.2.8.4(a)	%	750 000.00	0.00	0.00
Total Carried Forward To Summary						4459 000.00

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL**

C1.3: CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

Item				Description	Unit	Quantity	Rate	Amount
C1.3				CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS				
PC1.3.1				The Contractor's general obligations:				
	C1.3.1.1			Fixed obligations	lump sum	1.0	5289 000.00	5289 000.00
	C1.3.1.2			Value-related obligations	lump sum	1.0	0.00	0.00
	PC1.3.1.3			Time-related obligations				
		(a)		Mobilisation period	month (mo.)	2.0	180 000.00	360 000.00
		(b)		Execution of the works	month (mo.)	40.0	615 750.00	24630 000.00
		(c)		Extra over Subitem PC1.3.1.3 (b) for working on Sundays and other special non-working days on the written instruction of the Employer's Agent	Days	150.0	7 050.00	1057 500.00
		(d)		Extra over Subitem PC1.3.1.3 (b) for working at night (including provision of lighting) on the written instruction of the Employer's Agent	Days	120.0	7 050.00	846 000.00
C1.3.2				Contract sign boards	square metre (m²)	15.0	2 000.00	30 000.00
PC1.3.3				Provisional Sums:				
		(a)		Protection, relocation or reinstatement of existing services				
		(i)		Dark Fibre Africa	provisional sum (Prov. Sum)	1.0	1900 000.00	1900 000.00
		(ii)		Liquid Telecom (Neotel)	provisional sum (Prov. Sum)	1.0	1250 000.00	1250 000.00
		(iii)		Telkom (Open Serve)	provisional sum (Prov. Sum)	1.0	3165 000.00	3165 000.00
		(iv)		City of Cape Town IS&T	provisional sum (Prov. Sum)	1.0	1800 000.00	1800 000.00
		(b)		Handling costs and profit in respect of Subitems PC1.3.3 (a)(i) to (viii)	%	8115 000.0	0.00	0.00
Total Carried Forward								40327 500.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL

C1.3: CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						40327 500.00
3.5.7.01	(c)	Advertising in the Press	provisional sum (Prov. Sum)	1.0	50 000.00	50 000.00
	(d)	Handling costs and profit in respect of Subitem PC1.3.3 (c)	%	50 000.00	10.00	5 000.00
	(e)	Relocation, removal and installation of survey beacons	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
	Community participation:					
3.5.7.02	(a)	Cost of community participation and public liaison	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
	(b)	Handling costs and profit in respect of subitem 3.5.7.01(a)	%	250 000.00	5.00	12 500.00
3.5.7.03	Community Liaison Officer:					
	(a)	Remuneration of 2 (two) Community Liaison Officers	prime cost sum (PC Sum)	1.0	800 000.00	800 000.00
	(b)	Contractor's charges to allow for handling costs and profit in respect of subitem 3.5.7.02(a)	%	800 000.0	10.00	80 000.00
	Formal Training:					
3.5.7.04	(a)	Cost to company of temporary local labourers for off-site training during which no productive work is executed	prime cost sum (PC Sum)	1.0	250 000.00	250 000.00
	(b)	Contractor's charges to allow for handling costs and profit in respect of subitem 3.5.7.03(a)	%	250 000.00	0.00	0.00
	(c)	Formal training courses for temporary local labourers	prime cost sum (PC Sum)	1.0	250 000.00	250 000.00
	(d)	Contractor's charges to allow for handling costs and profit in respect of subitem 3.5.7.03(c)	%	250 000.00	0.00	0.00
3.5.7.05		The Contractor's obligations in respect of training	lump sum	1.0	15 000.00	15 000.00
3.5.7.05		Site records	lump sum	1.0	15 000.00	15 000.00
Total Carried Forward To Summary						42305 000.00

SCHEDULE 1 : GENERAL

C1.4: FACILITIES FOR THE ENGINEER

Item			Description	Unit	Quantity	Rate	Amount
C1.4			FACILITIES FOR THE ENGINEER				
C1.4.1			Site accommodation:				
	C1.4.1.1		Offices and conference room	square metre (m ²)	60.0	5 350.00	321 000.00
	C1.4.1.6		Car ports	number (No.)	3.0	7 500.00	22 500.00
	C1.4.1.7		Ablution unit (equipped as specified)	number (No.)	2.0	25 000.00	50 000.00
	C1.4.1.9		Kitchen unit (equipped as specified)	number (No.)	1.0	25 000.00	25 000.00
C1.4.2			Items measured by area:				
	C1.4.2.1		Shelving as specified, complete with brackets	square metre (m ²)	10.0	350.00	3 500.00
	C1.4.2.2		Work benches with a concrete slab top	square metre (m ²)	15.0	400.00	6 000.00
	C1.4.2.3		Work-benches with a wooden top	square metre (m ²)	15.0	400.00	6 000.00
	C1.4.2.5		Concrete footings and pedestals for laboratory equipment	square metre (m ²)	3.0	600.00	1 800.00
	C1.4.2.6		Roller blinds, opaque type	square metre (m ²)	25.0	250.00	6 250.00
	C1.4.2.7		Venetian blinds	square metre (m ²)	25.0	250.00	6 250.00
	C1.4.2.8		Notice boards	square metre (m ²)	5.0	350.00	1 750.00
	C1.4.2.9		White boards	square metre (m ²)	5.0	1 500.00	7 500.00
	C1.4.2.10		Galvanised wire mesh fencing for store rooms	square metre (m ²)	35.0	385.00	13 475.00
	C1.4.2.11		Galvanised wire mesh store room gate with a padlock	square metre (m ²)	5.0	385.00	1 925.00
C1.4.3			Items measured by number:				
	C1.4.3.1		Office swivel chair	number (No.)	10.0	1 000.00	10 000.00
	C1.4.3.2		Office chair	number (No.)	10.0	650.00	6 500.00
	C1.4.3.3		Draughtsman's stool	number (No.)	4.0	500.00	2 000.00
Total Carried Forward							491 450.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL

C1.4: FACILITIES FOR THE ENGINEER

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						491 450.00
C1.4.3.4		Laboratory high chair	number (No.)	4.0	500.00	2 000.00
C1.4.3.5		Office desk with 3 drawers (at least one lockable drawer)	number (No.)	2.0	2 500.00	5 000.00
C1.4.3.7		Drawing table	number (No.)	2.0	1 500.00	3 000.00
C1.4.3.8		Conference table	number (No.)	2.0	2 500.00	5 000.00
C1.4.3.9		Bookcase	number (No.)	2.0	250.00	500.00
C1.4.3.10		Filing cabinet	number (No.)	2.0	2 500.00	5 000.00
C1.4.3.11		General purpose steel cabinet with shelves	number (No.)	4.0	2 500.00	10 000.00
C1.4.3.12		Wall mounted pivot plan filing system	number (No.)	5.0	500.00	2 500.00
C1.4.3.13		220 / 250 volt power outlet plug point	number (No.)	4.0	1 000.00	4 000.00
C1.4.3.15		Single 1 500 mm, 58 watt fluorescent tube ceiling light	number (No.)	5.0	1 000.00	5 000.00
C1.4.3.23		Fire extinguisher 9,0 kg, dry powder type	number (No.)	4.0	1 250.00	5 000.00
C1.4.3.24		Air-conditioning unit	number (No.)	3.0	12 500.00	37 500.00
C1.4.3.25		Heater	number (No.)	2.0	250.00	500.00
C1.4.3.27		Waste paper basket	number (No.)	4.0	50.00	200.00
C1.4.3.28		UPS / Voltage stabiliser	number (No.)	2.0	1 250.00	2 500.00
C1.4.3.29		A3 / A4 colour printer, copier, scanner	number (No.)	1.0	25 000.00	25 000.00
C1.4.3.30		A4 colour printer, copier, scanner	number (No.)	1.0	12 500.00	12 500.00
C1.4.3.31		Rain gauge	number (No.)	2.0	500.00	1 000.00
C1.4.3.32		Minimum / maximum atmospheric temperature gauge	number (No.)	1.0	250.00	250.00
Total Carried Forward						617 900.00

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL**

C1.4: FACILITIES FOR THE ENGINEER

Item		Description		Unit	Quantity	Rate	Amount	
Brought Forward							617 900.00	
C1.4.4	C1.4.3.33		Digital thermometer	number (No.)	1.0	1 200.00	1 200.00	
	C1.4.3.34		Mobile outdoor weather station	number (No.)	1.0	3 500.00	3 500.00	
	C1.4.3.35		3,0 m aluminium straight edge complete with two measuring wedges	number (No.)	2.0	500.00	1 000.00	
	C1.4.3.36		Measuring wheel	number (No.)	2.0	950.00	1 900.00	
	C1.4.3.37		First aid kit	number (No.)	2.0	2 250.00	4 500.00	
	C1.4.3.38		Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe	number (No.)	3.0	3 950.00	11 850.00	
			Prime cost items:					
	C1.4.4.5		The provision of internet connectivity and WiFi data for Engineer's site staff	prime cost sum (PC Sum)	1.0	50 000.00	50 000.00	
	C1.4.4.6		Handling costs and profit in respect of item C1.4.4.5	%	50 000.0	0.00	0.00	
	C1.4.4.7		The provision of paper and ink for a combination colour printer / copier / scanner	prime cost sum (PC Sum)	1.0	5 000.00	5 000.00	
C1.4.8	C1.4.4.8		Handling costs and profit in respect of item C1.4.4.7	%	5 000.0	100.00	5 000.00	
	C1.4.4.9		The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.	prime cost sum (PC Sum)	1.0	10 000.00	10 000.00	
	C1.4.4.10		Handling costs and profit in respect of item C1.4.4.9	%	10 000.0	50.00	5 000.00	
			Site security measures for the Engineer's facilities:					
	C1.4.8.1		Supply and installation of all required security measures at the Engineer's site offices and laboratories	lump sum	1.0	12 500.00	12 500.00	
	C1.4.8.2		Provision of security guards / watchmen and an armed response service at the Engineer's site offices and laboratories	month (mo.)	40.0	30 000.00	1200 000.00	
	PC1.4.9		Provision for commercial laboratory testing					
	Total Carried Forward							1929 350.00

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SCHEDULE 1 : GENERAL**

C1.4: FACILITIES FOR THE ENGINEER

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1929 350.00
	(i)	Provision for payment to Commercial Laboratory for acceptance testing by the Engineer	prime cost sum (PC Sum)	1.0	1000 000.00	1000 000.00
	(ii)	Contractor's charge in respect of PC1.4.9 (i)	%	#####	10.00	100 000.00
Total Carried Forward To Summary						3029 350.00

CITY OF CAPE TOWN
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CONTRACT NO. 72Q/2025/26
SCHEDULE 1 : GENERAL

SUMMARY OF SECTIONS		
Secti	Description	Amount
C1.2	C1.2: GENERAL REQUIREMENTS AND	4459 000.00
C1.3	C1.3: CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS	42305 000.00
C1.4	C1.4: FACILITIES FOR THE ENGINEER	3029 350.00
Total Carried Forward To Summary Of Schedules		49793 350.00

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
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CONTRACT NO. 72Q/2025/26
SCHEDULE 2: ROADWORKS**

C1.5: ACCOMMODATION OF TRAFFIC

Item				Description	Unit	Quantity	Rate	Amount
C1.5				ACCOMMODATION OF TRAFFIC				
C1.5.1				Accommodation of pedestrian and non-motorised traffic:				
	C.1.5.1.1			Accommodation of pedestrian and non-motorised traffic	month (mo.)	40.0	1.00	40.00
C1.5.2				Accommodation of vehicular traffic	month (mo.)	40.0	1.00	40.00
C1.5.3				Liaison with traffic authorities	month (mo.)	40.0	50.00	2 000.00
C1.5.4				Construction of temporary deviations				
	C1.5.4 / C4.4.2.1			Pavement Layer Material:				
		(c)		Type G3 material	cubic metre (m³)	260.0	725.00	188 500.00
		(e)		Type G5B material	cubic metre (m³)	260.0	515.00	133 900.00
	C1.5.4 / C5.3.2.1			Construction of layers using conventional construction method				
		(w)		G3 crushed stone base layer (150mm thick) compacted to 98 % of MDD	cubic metre (m³)	260.0	250.00	65 000.00
		(p)		G5B crushed rock/boulder subbase layer (150mm thick) compacted to 97 % of MDD	cubic metre (m³)	260.0	200.00	52 000.00
	C1.5.4 / C8.1.1.1			MC -30 cut-back bitumen	litre (ℓ)	1 000.0	23.50	23 500.00
	C1.5.4 / C9.1.3.1			Stable – grade 30 % net bitumen emulsion as specified. Applied with a calibrated distributor	litre (ℓ)	1 000.0	20.00	20 000.00
	C1.5.4 / C9.1.3.2			Applied in restricted areas using a portable pressure sprayer	litre (ℓ)	50.0	3.50	175.00
	C1.5.4 / C9.1.3.3			Applied by hand using brushes on all exposed transverse and longitudinal construction joints	litre (ℓ)	50.0	3.50	175.00
	C1.5.4 / C9.1.5.1	(e)		Sand skeletal mix – continuously graded as defined (40mm thick interlayer, with 50/70 penetration grade bitumen, NMPS of 10mm, at design level III, placed with a suitably approved paver)	square metre (m²)	1 700.0	235.00	399 500.00
C1.5.5				Maintenance of temporary deviations:				
	C1.5.5.4			Collection of rubbish / litter	kilometre (km)	1.5	5 000.00	7 500.00
	C1.5.5.5			Base patching using crushed stone material stabilised with bitumen emulsion and cement	cubic metre (m³)	150.0	2 130.00	319 500.00
Total Carried Forward								1211 830.00

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
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SCHEDULE 2: ROADWORKS**

C1.5: ACCOMMODATION OF TRAFFIC

Item				Description	Unit	Quantity	Rate	Amount
Brought Forward								1211 830.00
C1.5.6	C1.5.5.6			Base and / or surface patching using cold premixed asphalt	kilogram (kg)	850.0	5.00	4 250.00
	C1.5.5.7			Base and / or surface patching using hot plant mixed asphalt	tonne (t)	130.0	2 350.00	305 500.00
				Removal of temporary deviations	kilometre (km)	2.7	44 500.00	120 150.00
				Temporary traffic control facilities:				
	C1.5.7.1			Delineators including mounting bases and ballast:				
		(a)		Single sided, reversible left or right (200mm x 800mm)	number (No.)	1 500.0	50.00	75 000.00
		(b)		Double sided, reversible left or right (200mm x 800mm)	number (No.)	850.0	250.00	212 500.00
	C1.5.7.2			Traffic cones, minimum height 750 mm	number (No.)	100.0	150.00	15 000.00
	C1.5.7.3			Flagmen	man-shift	7 000.0	580.00	4060 000.00
	C1.5.7.4			Traffic controllers	man-shift	600.0	580.00	348 000.00
	C1.5.7.5			Provision of illuminated traffic signs:				
		(a)		Sign mounted flashing amber lights (2 lights with the specified power supply) mounted on a backing board which is:				
		(i)		900 mm wide x 150 mm high	number (No.)	30.0	1 500.00	45 000.00
		(ii)		1 200 mm wide x 200 mm high	number (No.)	30.0	1 500.00	45 000.00
		(b)		Flashing LED illuminated arrow board	number (No.)	2.0	8 500.00	17 000.00
	(c)		Illuminated road sign – R & TR series (900mm)	number (No.)	10.0	8 500.00	85 000.00	
	(d)		Illuminated road sign – TW series (900mm)	number (No.)	10.0	8 500.00	85 000.00	
	C1.5.7.6			Maintenance of illuminated traffic signs:				
		(c)		Illuminated road sign – R & TR series (900mm)	month (mo.)	40.0	8 500.00	340 000.00
		(d)		Illuminated road sign – TW series (900mm)	month (mo.)	40.0	8 500.00	340 000.00
Total Carried Forward								7309 230.00

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 2: ROADWORKS**

C1.5: ACCOMMODATION OF TRAFFIC

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						7309 230.00
	C1.5.7.9					
		Cleaning of traffic control facilities	month (mo.)	40.0	5 000.00	200 000.00
C1.5.8		Traffic safety	man-month	40.0	45 000.00	1800 000.00
C1.5.9		Traffic safety vehicle	month (mo.)	40.0	55 000.00	2200 000.00
C1.5.11		Provision of safety equipment for visitors				
	C1.5.11.1	Provision of reflective safety vests for visitors	number (No.)	300.0	100.00	30 000.00
	C1.5.11.2	Provision of hard hats for visitors	number (No.)	300.0	100.00	30 000.00
C1.5.12		Additional traffic accommodation facilities ordered by the Engineer:				
	C1.5.12.1	Provision of additional traffic accommodation facilities	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
	C1.5.12.2	Handling cost, profit and all other charges in respect of item C1.5.12.1	%	#####	0.00	0.00
C1.5/C11.4.3		Project specific concrete barrier systems				
PC1.5/PC11.4.3.2	(a)	Movable barriers, precast concrete NJ Type established on site, relocated as required and de-established	metre (m)	1 000.0	528.00	528 000.00
	(b)	Relocation of length of concrete barriers within 1km freehaul distance	metre (m)	1 000.0	195.00	195 000.00
.5.13		Dismantle, store, refurbish and reinstall steel bus shelters	number (No.)	4.0	7 500.00	30 000.00
Total Carried Forward To Summary						12572 230.00

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TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
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SCHEDULE 2: ROADWORKS**

C1.6: CLEAR AND GRUBBING

Item				Description	Unit	Quantity	Rate	Amount
C1.6				CLEAR AND GRUBBING				
C1.6.1				Clearing				
	C1.6.1.1			Clearing with machines and some hand labour where necessary	hectare (ha)	0.8	28 500.00	22 800.00
	C1.6.1.2			Clearing with hand labour only when labour enhanced work is specified	hectare (ha)	0.1	28 500.00	2 850.00
C1.6.2				Grubbing				
	C1.6.2.1			Grubbing with machines and some hand labour where necessary	hectare (ha)	0.8	28 500.00	22 800.00
	C1.6.2.2			Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine	hectare (ha)	0.1	28 500.00	2 850.00
C1.6.3				Removal and grubbing of large trees and tree stumps:				
	C1.6.3.1			Girth equal to or exceeding 1,0m up to and including 2,0m	number (No.)	84.0	2 500.00	210 000.00
	C1.6.3.2			Girth exceeding 2,0m up to and including 3,0m	number (No.)	30.0	3 750.00	112 500.00
	C1.6.3.3			Girth exceeding 3,0m	number (No.)	13.0	5 250.00	68 250.00
PC1.6.4				Removal of buildings and structures				
	C1.6.4.1			Erf 24541-RE, Maitland Cemetery existing building add-on structures, 5.5x3x3m shed and 7mx2.5x3m canopy	lump sum	1.0	10 000.00	10 000.00
	C1.6.4.2			Erf 24544-RE, Maitland Cemetery Caretaker's Cottage Misc.buildings / ruins	lump sum	1.0	10 000.00	10 000.00
	.7			Re-clearing of previously cleared areas	hectare (ha)	1.0	500.00	500.00
C1.6.10				Disposal of hazardous waste material:				
	C1.6.10.1			Disposal of hazardous waste material at an approved hazardous waste material facility	provisional sum (Prov. Sum)	1.0	300 000.00	300 000.00
	C1.6.10.2			Handling cost, profit and all other charges in respect of item C1.6.10.1	%	#####	0.00	0.00
Total Carried Forward To Summary								762 550.00

**CITY OF CAPE TOWN
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CONTRACT NO. 72Q/2025/26
SCHEDULE 2: ROADWORKS**

C3.1: DRAINS

Item				Description	Unit	Quantity	Rate	Amount
C3.1				DRAINS				
C3.1.1				Excavation for open drains:				
	C3.1.1.1			Excavating all material situated within the following depth ranges below the surface level using conventional methods:				
		(a)		0m to 1,5m	cubic metre (m³)	10.0	150.00	1 500.00
		(b)		Exceeding 1,5m and up to 3,0m	cubic metre (m³)	10.0	150.00	1 500.00
	C3.1.1.4			Excavating soft material situated 0m to 1,5m below the surface level using labour enhanced construction methods	cubic metre (m³)	10.0	350.00	3 500.00
	C3.1.1.5			Excavating intermediate material situated 0m to 1,5m below the surface level using labour enhanced construction methods	cubic metre (m³)	10.0	550.00	5 500.00
C3.1.2				Clearing, shaping and disposal of accumulated sediment in existing unlined open drains				
	C3.1.2.1			Using conventional methods	cubic metre (m³)	10.0	350.00	3 500.00
	C3.1.2.2			Using labour enhanced construction methods	cubic metre (m³)	10.0	350.00	3 500.00
C3.1.3				Excavation, clearing and disposal of accumulated sediment in existing lined drains and drainage systems				
	C3.1.3.1			Using conventional methods (up to 1,5m):				
		(a)		Manholes and inlet and outlet structures	cubic metre (m³)	10.0	350.00	3 500.00
		(b)		Culvert barrels	cubic metre (m³)	10.0	350.00	3 500.00
		(c)		Concrete or other lined side drains	cubic metre (m³)	10.0	350.00	3 500.00
	C3.1.3.3			Using labour enhanced construction methods:				
		(a)		Manholes and inlet and outlet structures	cubic metre (m³)	10.0	500.00	5 000.00
		(b)		Culvert barrels	cubic metre (m³)	10.0	500.00	5 000.00
		(c)		Concrete or other lined side drains	cubic metre (m³)	10.0	350.00	3 500.00
Total Carried Forward								43 000.00

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SCHEDULE 2: ROADWORKS**

C3.1: DRAINS

Item	Description	Unit	Quantity	Rate	Amount
Brought Forward					43 000.00
PC3.1.4	Excavation and disposal of material for subsoil drainage systems:				
C3.1.4.1	Excavating in all material situated within the following depth ranges below the surface:				
	(a) 0m to 1,5m	cubic metre (m³)	3 850.0	200.00	770 000.00
	(b) Exceeding 1,5m and up to 3,0m	cubic metre (m³)	100.0	200.00	20 000.00
PC3.1.4.1.1	Extra-over item C3.1.4.1 (a) and (b) for hand excavation in close proximity to existing services in order to comply with wayleave conditions	cubic metre (m³)	400.0	150.00	60 000.00
C3.1.4.2	Excavating soft material situated within 0m to 1,5m below the surface level using labour enhanced construction methods	cubic metre (m³)	400.0	350.00	140 000.00
C3.1.4.3	Excavating intermediate material situated within 0m to 1,5m below the surface level using labour enhanced construction methods	cubic metre (m³)	400.0	450.00	180 000.00
C3.1.5	Impermeable backfilling to subsoil drainage systems				
C3.1.5.1	Un-stabilised natural gravel obtained from approved sources on the site	cubic metre (m³)	1 750.0	125.00	218 750.00
C3.1.5.2	G5 material obtained from commercial sources	cubic metre (m³)	525.0	630.00	330 750.00
C3.1.5.3	Extra over items C3.1.5.1 and C3.1.5.2 for stabilisation with 4,0% CEM II (32.5) cement	cubic metre (m³)	50.0	395.00	19 750.00
C3.1.7	Natural permeable material in subsoil drainage systems (approved crushed stone):				
C3.1.7.2	Crushed stone obtained from commercial sources (Coarse grade, 20mm)	cubic metre (m³)	1 125.0	588.00	661 500.00
C3.1.8	Natural permeable material in subsoil drainage systems (approved natural sand):				
C3.1.8.2	Natural sand from commercial sources (Medium grade)	cubic metre (m³)	500.0	340.00	170 000.00
C3.1.9	Pipes in subsoil drainage systems:				
C3.1.9.2	HDPe flexible pipes with smooth bore complete with couplings				
	(i) 110mm internal dia. perforated or slotted	metre (m)	5 000.0	38.00	190 000.00
Total Carried Forward					2803 750.00

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SCHEDULE 2: ROADWORKS**

C3.1: DRAINS

Item			Description	Unit	Quantity	Rate	Amount
Brought Forward							2803 750.00
C3.1.11	C3.1.14.1	(ii)	160mm internal dia. perforated or slotted	metre (m)	100.0	66.00	6 600.00
		(iii)	110mm internal diameter, normal	metre (m)	100.0	38.00	3 800.00
		(iv)	160mm internal diameter, normal	metre (m)	100.0	66.00	6 600.00
		Geotextiles (Non woven needle punched type A2 Bidim or equivalent)		square metre (m²)	12 500.0	19.00	237 500.00
		Caps for subsoil drain pipes:					
		Concrete caps	number (No.)	10.0	250.00	2 500.00	
		Repairing or replacing existing drainage systems		provisional sum (Prov. Sum)	1.0	150 000.00	150 000.00
		C3.1.20	Breaking into existing drainage structures and install subsoil drain pipe		number (No.)	100.0	250.00
C3.1.22	Test flushing of subsoil drain pipe systems		number (No.)	100.0	750.00	75 000.00	
C3.1.23	Subsoil drain outlet marker (type or drawing specified)		number (No.)	50.0	250.00	12 500.00	
C3.1.24	Submission of as built drawings by the Contractor		lump sum	1.0	3 850.00	3 850.00	
Total Carried Forward To Summary							3327 100.00

SCHEDULE 2: ROADWORKS

C3.3 CONCRETE KERBING AND CHANNELING

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CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
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SCHEDULE 2: ROADWORKS

C3.3 CONCRETE KERBING AND CHANNELING

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1887 650.00
C3.3.3	(b)	Cast in situ v-channel	metre (m)	50.0	540.00	27 000.00
		Extra over items C3.3.1 and C3.3.2 for concrete kerbing or concrete kerbing and channeling on curves:				
	C3.3.3.1	On curves of radii more than or equal to 5,0 m but less than 20,0 m	metre (m)	600.0	135.00	81 000.00
	C3.3.3.2	On curves with radii more than or equal to 1,0 m but less than 5,0 m	metre (m)	250.0	135.00	33 750.00
	C3.3.3.3	On curves with radii less than 1,0 m	metre (m)	50.0	150.00	7 500.00
C3.3.4		Extra over item C3.3.2 for drop kerbs at pedestrian crossings and driveways	metre (m)	150.0	100.00	15 000.00
C3.3.16		Demolition and removal of existing kerbs and / or channel (specify maximum size)	cubic metre (m³)	100.0	650.00	65 000.00
PC3.3.19		Precast concrete bollard, 230mm diameter, 1200mm long, exposed aggregate finish	number (No.)	50.0	1 450.00	72 500.00
PC3.3.20		Inlet, outlet, transition and similar structures (measured by components)				
	PC3.3.20.1	Concrete class C25/30-20	cubic metre (m³)	50.0	3 070.00	153 500.00
	PC3.3.20.2	Formwork				
	(a)	F1 surface finish	square metre (m²)	50.0	600.00	30 000.00
	(b)	F2 surface finish	square metre (m²)	50.0	700.00	35 000.00
	(c)	Class U2 surface finish	square metre (m²)	50.0	65.00	3 250.00
	PC3.3.20.3	Reinforced Steel				
	(a)	Rebar Steel, sizes Y8 to Y16 bars, high yield	ton (t)	5.0	18 000.00	90 000.00
PC3.3.21		Remove and Reuse existing Granite/Sandstone kerbing—channelling consisting of:				
	PC3.3.21.1	Kerbing	metre (m)	500.0	220.00	110 000.00
	PC3.3.21.2	Channelling	metre (m)	500.0	220.00	110 000.00
Total Carried Forward To Summary						2721 150.00

**CITY OF CAPE TOWN
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SCHEDULE 2: ROADWORKS**

C4.1: BORROW MATERIALS

Item				Description	Unit	Quantity	Rate	Amount
C4.1				BORROW MATERIALS				
C4.1.1				Compiling and implementing M&U plans				
	PC4.1.1.3			For stockpile area	number (No.)	10.0	1 500.00	15 000.00
C4.1.6				Providing crushing, screening and related plants:				
C4.1.6.1				Single-stage crushing plant	number (No.)	1.0	22 500.00	22 500.00
C4.1.6.4				Screening plant	number (No.)	1.0	22 500.00	22 500.00
C4.1.7				Producing the material by:				
C4.1.7.1				Single-stage crushing	cubic metre (m³)	2 000.0	90.00	180 000.00
C4.1.7.4				Screening only	cubic metre (m³)	10 000.0	75.00	750 000.00
C4.1.9				Breaking down oversize material	cubic metre (m³)	2 000.0	90.00	180 000.00
C4.1.10				Compacting the floor of the stockpile sites	cubic metre (m³)	800.0	35.00	28 000.00
PC4.1.12				Stockpiling the material				
	C4.1.12.2			Material directly from the excavation:				
		(a)		Obtained from the pavement layers				
			(i)	Asphalt Milling	cubic metre (m³)	180.0	225.00	40 500.00
			(ii)	G5 material	cubic metre (m³)	1 200.0	95.00	114 000.00
			(iii)	G6 material	cubic metre (m³)	1 200.0	95.00	114 000.00
			(iv)	G8 material	cubic metre (m³)	1 200.0	95.00	114 000.00
		(b)		Obtained from box cutting				
			(i)	G6 material	cubic metre (m³)	2 000.0	95.00	190 000.00
			(ii)	G8 material	cubic metre (m³)	2 000.0	95.00	190 000.00
			(iii)	G9 material	cubic metre (m³)	2 000.0	95.00	190 000.00
Total Carried Forward								2150 500.00

SCHEDULE 2: ROADWORKS

C4.1: BORROW MATERIALS

Item				Description	Unit	Quantity	Rate	Amount
Brought Forward								2150 500.00
C4.1.13				Removing surplus material from the stockpile	cubic metre (m³)	5 000.0	180.00	900 000.00
C4.1.15				Shaping and finishing the borrow pit and quarry areas, and the stockpile sites				
	C4.1.15.1			Shaping and finishing the borrow pit and quarry areas, and the stockpile sites:				
		(c)		Stockpile sites	cubic metre (m³)	800.0	28.50	22 800.00
Total Carried Forward To Summary								3073 300.00

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C4.2: CUT MATERIALS

Item				Description	Unit	Quantity	Rate	Amount
C4.2				CUT MATERIALS				
PC4.2.4				Excavating of materials in box cuts to stockpile site, material obtained from				
	C4.2.4.1			Soft excavation	cubic metre (m³)	3 800.0	85.00	323 000.00
	C4.2.4.2			Boulder excavation class A	cubic metre (m³)	400.0	115.00	46 000.00
	C4.2.4.3			Boulder excavation class B	cubic metre (m³)	400.0	115.00	46 000.00
	C4.2.4.4			Hard excavation (other than by blasting)	cubic metre (m³)	400.0	150.00	60 000.00
C4.2.9				Excavate material to spoil in sites designated by the Contractor, material obtained from:				
	C4.2.9.1			Soft excavation, overburden and unsuitable material	cubic metre (m³)	3 800.0	155.00	589 000.00
	C4.2.9.2			Boulder excavation class A	cubic metre (m³)	400.0	185.00	74 000.00
	C4.2.9.3			Boulder excavation class B	cubic metre (m³)	400.0	185.00	74 000.00
	C4.2.9.4			Hard excavation (other than by blasting)	cubic metre (m³)	400.0	220.00	88 000.00
PC4.2.13				Extra-over C4.2.4 for hand excavation in box cuts in close proximity to existing services	cubic metre (m³)	1 000.0	250.00	250 000.00
Total Carried Forward To Summary								1550 000.00

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C4.3: EXISTING ROAD MATERIALS

[illegible]

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C4.3: EXISTING ROAD MATERIALS

Item		Description		Unit	Quantity	Rate	Amount
Brought Forward							1249 675.00
C4.3.13	C4.3.9.3		Cemented material	cubic metre (m³)	500.0	115.00	57 500.00
	C4.3.9.4		Natural gravel and sand materials	cubic metre (m³)	3 535.0	105.00	371 175.00
			Lifting of existing paving blocks (73mm concrete paving blocks)				
	C4.3.13.1		Using construction equipment	square metre (m²)	500.0	88.00	44 000.00
C4.3.14			Removing of existing road edging and services structures				
	C4.3.14.2		Removing of existing road edging using labour enhanced methods of construction:				
		(a)	Kerbing and edge beams:				
		(i)	In situ concrete kerbing and edge beams	cubic metre (m³)	15.0	515.00	7 725.00
		(ii)	Precast concrete kerbing	metre (m)	900.0	20.00	18 000.00
		(iii)	Precast concrete kerbing and channel	metre (m)	2 300.0	40.00	92 000.00
PC4.3.15			Stockpiling of road layer materials				
	C4.3.15.1		Asphalt material	cubic metre (m³)	1 575.0	15.00	23 625.00
	C4.3.15.2		Crushed stone material	cubic metre (m³)	4 000.0	15.00	60 000.00
	C4.3.15.3		Cemented material	cubic metre (m³)	500.0	15.00	7 500.00
	C4.3.15.4		Natural gravel material	cubic metre (m³)	3 535.0	15.00	53 025.00
C4.3.20			Spoiling of paving blocks and road edging in spoil sites designated by the Contractor				
	C4.3.20.1		Paving blocks	cubic metre (m³)	40.0	345.00	13 800.00
	C4.3.20.2		Precast and in situ concrete kerbing, edge beams and channels and precast kerbing	cubic metre (m³)	350.0	345.00	120 750.00
PC4.3.21			Mixing of reclaimed asphalt millings with granular material	cubic metre (m³)	540.0	160.00	86 400.00
Total Carried Forward To Summary							2205 175.00

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C4.4: COMMERCIAL MATERIALS

Item				Description	Unit	Quantity	Rate	Amount
C4.4				COMMERCIAL MATERIALS				
C4.4.2				Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers				
	C4.4.2.1			Pavement layer material:				
				(i) General lanes				
		(b)		Type G2 material	cubic metre (m³)	450.0	780.00	351 000.00
		(c)		Type G4 material	cubic metre (m³)	500.0	520.00	260 000.00
		(e)		Type G5 material	cubic metre (m³)	5 120.0	425.00	2176 000.00
		(f)		Type G6 material	cubic metre (m³)	2 810.0	395.00	1109 950.00
		(h)		Type G7 material	cubic metre (m³)	2 800.0	365.00	1022 000.00
				(ii) Intersections				
		(e)		Type G5 material	cubic metre (m³)	450.0	550.00	247 500.00
		(h)		Type G7 material	cubic metre (m³)	440.0	400.00	176 000.00
				(iii) Non-Motorised Transport (Sidewalks)				
		(e)		Type G5 material	cubic metre (m³)	1 170.0	425.00	497 250.00
		(h)		Type G7 material	cubic metre (m³)	1 100.0	365.00	401 500.00
	C4.4.2.5			Fill material in the earthworks:				
		(a)		Normal or coarse fill	cubic metre (m³)	5 000.0	240.00	1200 000.00
		(b)		G6 Engineered fill	cubic metre (m³)	500.0	395.00	197 500.00
C4.4.4				Cementitious stabilising agents				
	C4.4.4.1			Cement	tonne (t)	250.0	2 450.00	612 500.00
	C4.4.4.2			Road lime	tonne (t)	10.0	2 450.00	24 500.00
C4.4.7				Sampling and material testing by a commercial laboratory for the stabilisation designs				
Total Carried Forward								8275 700.00

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C4.4: COMMERCIAL MATERIALS

Item				Description	Unit	Quantity	Rate	Amount
Brought Forward								8275 700.00
C4.4.7.1				Cost of sampling and material testing	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
C4.4.7.2				Handling cost and profit in respect of item C4.4.7.1	%	#####	5.00	12 500.00
Total Carried Forward To Summary								8538 200.00

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SCHEDULE 2: ROADWORKS

C5.1: ROADBED

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C5.2: FILL

Item				Description	Unit	Quantity	Rate	Amount
C5.2				FILL				
C5.2.1				Compiling and implementing M&U plans:				
	C5.2.1.2			For fills 1,0 km in length when less than 10 000 m³	number (No.)	2.0	2 500.00	5 000.00
PC5.2.2				Fill construction:				
	C5.2.2.1			Normal fill material in compacted layer thicknesses of 200 mm and less:				
		(b)		Compacted to 95 % of MDD	cubic metre (m³)	5 000.0	75.00	375 000.00
	PC5.2.5.8			G6 Engineered fill	cubic metre (m³)	500.0	85.00	42 500.00
Total Carried Forward To Summary								422 500.00

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C5.3: ROAD PAVEMENT LAYERS

[illegible]

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C5.3: ROAD PAVEMENT LAYERS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						2005 150.00
C5.3.11	C5.1.10.1	Stabilised layer	cubic metre (m³)	100.0	150.00	15 000.00
		Riding quality measurements:				
	C5.3.11.1	Using a 3,0m straight edge	kilometre (km)	3.0	500.00	1 500.00
	C5.3.11.2	Using a rolling straight edge	kilometre (km)	3.0	2 500.00	7 500.00
C5.3.12		Surface regularity payment adjustments	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
C8.1.1		Prime coat:				
	C8.1.1.3	Inverted bitumen emulsion	litre (ℓ)	15 000.0	20.00	300 000.00
C5/C8.1.3		Extra over item C8.1.3 for applying the prime coat in areas accessible only to hand held equipment	litre (ℓ)	7 500.0	0.00	0.00
Total Carried Forward To Summary						2579 150.00

SCHEDULE 2: ROADWORKS

C5.4: STABILISATION

Item				Description	Unit	Quantity	Rate	Amount
C5.4				STABILISATION				
C5.4.2				Chemical stabilisation				
	C5.4.2.1			Chemical stabilisation (350mm thickness) of pavement layers (G5B)				
		(a)		(i) General lanes				
				350mm thick C3	cubic metre (m³)	5 120.0	50.00	256 000.00
C5.4.5				Cementitious stabilisation agents for pavement layers				
	C5.4.5.2			Addition of cementitious stabilisation agents for pavement layers and spreading the agent using bags and labour enhancement methods.				
		(a)		Cement				
			(i)	350mm thick C3	tonne (t)	250.0	2 485.00	621 250.00
C5.4.10				Provision and application of water for curing	kilolitre (kl)	1 000.0	85.00	85 000.00
Total Carried Forward To Summary								962 250.00

SCHEDULE 2: ROADWORKS

C6.2 SEGMENTAL BLOCK PAVING LAYERS

Item				Description	Unit	Quantity	Rate	Amount
PC6.2				SEGMENTAL BLOCK PAVING LAYERS				
PC6.2.1				Segmental block paving to SANS 1058 & 1575:				
	C6.2.1.1			Concrete block paving (Class 30/2.0, interlocker type and 200x100mm / 80mm thick), grey colour or equivalent	square metre (m²)	1 000.0	260.00	260 000.00
	C6.2.1.2			Clay paving (PA Class, bond type and 200x100mm / 65mm thick) De Hoop red or equivalent to herringbone pattern	square metre (m²)	5 500.0	565.00	3107 500.00
	C6.2.1.3			Concrete cobbles (Class 30/2.0, bond type and 110x110mm / 60 thick) grey colour or equivalent	square metre (m²)	670.0	565.00	378 550.00
C6.2.2				Cast-in-situ concrete edge and intermediate beams (30Mpa/20mm)	cubic metre (m³)	10.0	3 500.00	35 000.00
C6.2.3				Provision and application of approved herbicide and ant poison:				
	C6.2.3.1			Provision of materials	prime cost sum (PC Sum)	1.0	50 000.00	50 000.00
	C6.2.3.2			Contractor's charges and profit added to the prime cost sum	%	50 000.00	10.00	5 000.00
C6.2.4				Re-sanding of joints in segmental block paving:				
	C6.2.4.1			Concrete block paving (Class 30/2.0, interlocker type and 200x100mm / 80mm thick), grey colour or equivalent	square metre (m²)	1 000.0	4.00	4 000.00
	C6.2.4.2			Clay paving (PA Class, bond type and 200x100mm / 65mm thick) De Hoop red or equivalent	square metre (m²)	5 500.0	4.00	22 000.00
	C6.2.4.3			Concrete cobbles (Class 30/2.0, bond type and 110x110mm / 60 thick) grey colour or equivalent	square metre (m²)	670.0	5.00	3 350.00
PC6.2.5				Extra over items for cutting to pavers for edges				
	PC6.2.5.1			Extra over item C6.2.1 for cutting pavers to suit straight edge, including wastage	metre (m)	6 050.0	25.00	151 250.00
Total Carried Forward To Summary								4016 650.00

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C9.1: ASPHALT LAYERS

[illegible]

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C9.1: ASPHALT LAYERS

Item			Description	Unit	Quantity	Rate	Amount
Brought Forward							1512 840.00
C9.1.5	C9.1.5.1	(i)	80mm thick to roadway	square metre (m²)	12 000.0	403.00	4836 000.00
		(d)	Any of the above mix types where the use of reclaimed asphalt has been specified (maximum 30 % reclaimed asphalt)				
		(ii)	Stone skeletal mix - 80mm thick to roadway, continuously graded as defined (50/70 penetration grade bitumen, NMPS of 14mm, design level II, placed with a suitably approved paver)	square metre (m²)	6 500.0	395.00	2567 500.00
		Asphalt surfacing					
		New construction					
		(e)	Sand skeletal mix – continuously graded as defined using virgin aggregate				
		(i)	40mm thick to roadway, using A-E2 binder, NMPS of 10mm, design level II, placed with a suitably approved paver	square metre (m²)	16 040.0	210.00	3368 400.00
		(ii)	40mm thick to intersections, using A-P1 binder, NMPS of 10mm, design level III, placed with a suitably approved paver	square metre (m²)	2 400.0	202.50	486 000.00
		(iii)	30mm thick to sidewalk, using 70/100 penetration grade bitumen, NMPS of 7,1mm, design level IA, placed by hand	square metre (m²)	3 000.0	158.00	474 000.00
		C9.1.6		Extra over pay items C9.1.4.1 and C9.1.5.1 for placing small quantities of asphalt of less than 10 tons specially produced as specified in terms of Clause A9.1.7.1(d)	ton (t)	440.0	150.00
C9.1.7	C9.1.7.1		Placing and compacting asphalt in restricted areas				
		Extra over payment items C9.1.4.1 and C9.1.5.1					
(b)		Sand/Stone skeletal mix - continuously graded surfacing, using A-E2 / AP1 binder, NMPS of 10-14mm, design level II, placed with a paver / by hand to roadway	square metre (m²)	4 500.0	15.00	67 500.00	
(c)		Sand skeletal mix - continuously graded surfacing, using 70/100 penetration grade bitumen, NMPS of 7,1mm, design level IA, placed by hand to sidewalks	square metre (m²)	3 200.0	13.00	41 600.00	
C9.1.10	C9.1.10.1		Variation rates				
		Bitumen					
		(ii)	50/70 penetration grade bitumen	ton (t)	10.0	0.00	0.00
Total Carried Forward							13419 840.00

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C9.1: ASPHALT LAYERS

Item			Description	Unit	Quantity	Rate	Amount
Brought Forward							13419 840.00
C9.1.13	C9.1.10.2	(iii)	70/100 penetration grade bitumen	ton (t)	10.0	0.00	0.00
		(iv)	A-E2 binder	ton (t)	10.0	0.00	0.00
		(v)	AP1 binder	ton (t)	10.0	0.00	0.00
			Aggregate	ton (t)	50.0	0.00	0.00
		C9.1.10.3	Active filler (lime unless stated in Contract Documentation)	ton (t)	10.0	0.00	0.00
		C9.1.10.6	Bituminous bond coat – net bitumen (Stable–grade 30% net bitumen emulsion)	ton (t)	10.0	0.00	0.00
	C9.1.13.1	Coring of asphalt layers					
			100mm diameter	number (No.)	100.0	500.00	50 000.00
		C9.1.13.2	150 mm diameter	number (No.)	100.0	600.00	60 000.00
	PC9.1.17		Asphalt reinforcement interlayers, supply and install				
	PC9.1.17.1	High strength, open fibreglass grid, custom knitted in a stable construction and coated with an elastomeric polymer and a pressure sensitive adhesive backing - Glasgrid 8511 or equivalent	square metre (m²)	4 400.0	57.50	253 000.00	
Total Carried Forward To Summary							13782 840.00

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C11.6: ROAD SIGNS

[illegible]

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C11.6: ROAD SIGNS

Item			Description	Unit	Quantity	Rate	Amount
Brought Forward							124 700.00
	C11.6.1.9	(a)	600 mm diameter (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	300.00	1 500.00
		(b)	900 mm diameter (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	50.0	500.00	25 000.00
		(c)	1200 mm diameter (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	800.00	4 000.00
		Warning signs, permanent:					
	C11.6.1.10	(a)	600 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	12.0	50.00	600.00
		(b)	900 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	15.0	350.00	5 250.00
		(c)	1200 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	650.00	3 250.00
		(d)	1500 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	950.00	4 750.00
	C11.6.1.11	Warning signs, temporary:					
		(a)	600 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	50.00	250.00
		(b)	900 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	10.0	250.00	2 500.00
		(c)	1200 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	600.00	3 000.00
		(d)	1500 mm size (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	number (No.)	5.0	850.00	4 250.00
			Supplementary plates to permanent regulatory or warning signs (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	square metre (m²)	10.0	1 200.00	12 000.00
Total Carried Forward							191 050.00

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C11.6: ROAD SIGNS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						191 050.00
C11.6.2	C11.6.1.12	Supplementary plates to temporary regulatory or warning signs (Pre-painted galvanised steel plate, semi matt background retro-reflective class I)	square metre (m ²)	5.0	1 200.00	6 000.00
	Extra over on item C11.6.1 for using:					
	C11.6.2.1	Background of retro-reflective material:				
	(a)	Class I	square metre (m ²)	25.0	1 200.00	30 000.00
	(b)	Class III	square metre (m ²)	5.0	1 500.00	7 500.00
	(c)	Class IV specify a) or b)	square metre (m ²)	5.0	1 900.00	9 500.00
	C11.6.2.2	Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
	(a)	Class III	square metre (m ²)	25.0	100.00	2 500.00
	(b)	Class IV specify a) or b)	square metre (m ²)	25.0	150.00	3 750.00
	Road sign supports (overhead road sign structures excluded):					
PC11.6.3	PC11.6.3.1	Steel tubing				
	(a)	76mm diameter and 3.5mm thickness	metre (m)	600.0	260.00	156 000.00
	(b)	140mm diameter and 4.5mm thickness	metre (m)	20.0	400.00	8 000.00
	(c)	165mm diameter and 4.5mm thickness	metre (m)	50.0	540.00	27 000.00
	C11.6.3.2	Timber (diameter and type indicated)				
	(a)	125mm dia. treated	metre (m)	20.0	140.00	2 800.00
	(b)	150 mm dia. treated	metre (m)	20.0	175.00	3 500.00
C11.6.5	(c)	200 mm dia. treated	metre (m)	20.0	240.00	4 800.00
	Excavation and backfilling for road sign supports (not applicable to kilometre posts):					
	C11.6.5.1	Excavating soft material and backfilling	cubic metre (m ³)	120.0	1 000.00	120 000.00
	C11.6.5.2	Excavating soft or intermediate material and backfilling using labour enhanced construction methods	cubic metre (m ³)	120.0	1 000.00	120 000.00
Total Carried Forward						692 400.00

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C11.6: ROAD SIGNS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1154 400.00
C11.6.10	C11.6.8.1	Size 150 x 600mm (Steel Post Class VI Retro Reflective)	number (No.)	10.0	480.00	4 800.00
	C11.6.8.2	Size 200 x 800 mm (Steel Post Class VI Retro Reflective)	number (No.)	20.0	540.00	10 800.00
	C11.6.8.3	Size 300 x 1200 mm (Steel Post Class VI Retro Reflective)	number (No.)	30.0	710.00	21 300.00
	Disposing of road signs with a surface area of:					
	C11.6.10.1	Area 0 to 0,5 m ²	square metre (m ²)	25.0	50.00	1 250.00
	C11.6.10.2	Area exceeding 0,5 m ² but not 2,0 m ²	square metre (m ²)	25.0	50.00	1 250.00
	C11.6.10.3	Exceeding 2,0 m ² but not 10 m ²	square metre (m ²)	25.0	50.00	1 250.00
	C11.6.10.4	Exceeding 10 m ²	square metre (m ²)	25.0	50.00	1 250.00
	Disposing of overhead road signs:					
	C11.6.11.1	Up to 10 m ²	square metre (m ²)	25.0	50.00	1 250.00
C11.6.11	C11.6.11.2	Exceeding 10 m ²	square metre (m ²)	25.0	50.00	1 250.00
	Cleaning of road sign board faces					
PC11.6.12			square metre (m ²)	10.0	35.00	350.00
PC11.6.13	Extra work for road signs:					
	PC11.6.13.1	Additional work instructed by the Employer's Agent	provisional sum (Prov. Sum)	1.0	50 000.00	50 000.00
	PC11.6.13.2	Handling costs and profit in respect of Subitem	%	50 000.00	0.00	0.00
Total Carried Forward To Summary						1249 150.00

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C11.7: ROAD MARKINGS AND ROAD STUDS

Item			Description	Unit	Quantity	Rate	Amount	
Brought Forward							226 200.00	
C11.7.5		(ii)	150mm wide	kilometre (km)	1.0	14 000.00	14 000.00	
		(iii)	200mm wide	kilometre (km)	0.1	20 000.00	2 000.00	
		(iliv)	300mm wide	kilometre (km)	0.5	30 000.00	15 000.00	
		(iv)	500mm wide	kilometre (km)	0.1	50 000.00	5 000.00	
		(b)	Yellow lines broken or unbroken (paint type and width of line indicated)					
		(i)	100mm wide	kilometre (km)	2.0	10 000.00	20 000.00	
		(ii)	150mm wide	kilometre (km)	2.0	15 000.00	30 000.00	
		(c)	Red lines broken or unbroken (paint type and width of line indicated)					
		(i)	100mm wide	kilometre (km)	0.5	14 000.00	7 000.00	
		(ii)	150mm wide	kilometre (km)	0.1	21 000.00	2 100.00	
		Variations in rate of application:						
		C11.7.5.1	White paint	litre (ℓ)	50.0	75.00	3 750.00	
		C11.7.5.2	Yellow paint	litre (ℓ)	20.0	80.00	1 600.00	
		C11.7.5.3	Red paint	litre (ℓ)	10.0	80.00	800.00	
C11.7.5.4	Retro-reflective beads	kilogram (kg)	250.0	15.00	3 750.00			
C11.7.5.5	Thermoplastic material, all colours	kilogram (kg)	100.0	100.00	10 000.00			
C11.7.8		Setting out and premarking the lines (excluding traffic island markings, lettering and symbols)	kilometre (km)	7.5	2 500.00	18 750.00		
C11.7.9		Re-establishing the painting unit during the defects notification period and at other instances on instruction of the Engineer	number (No.)	2.0	12 500.00	25 000.00		
C11.7.10		Removal of existing, temporary or final road markings by:						
	C11.7.10.1	Sandblasting	square metre (m²)	200.0	295.00	59 000.00		
Total Carried Forward							443 950.00	

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C11.7: ROAD MARKINGS AND ROAD STUDS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						443 950.00
PC11.7.12	C11.7.10.2	Water-jetting	square metre (m²)	200.0	450.00	90 000.00
	C11.7.10.3	Overpainting as temporary measure	square metre (m²)	200.0	80.00	16 000.00
		Painting of kerbs				
	PC11.7.12.1	Alternate black and white road marking paint	metre (m)	800.0	65.00	52 000.00
	PC11.7.12.2	Retro-reflective road marking paint	metre (m)	200.0	65.00	13 000.00
Total Carried Forward To Summary						614 950.00

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C11.8 LANDSCAPING AND PLANTING PLANTS

Item				Description	Unit	Quantity	Rate	Amount
C11.8				LANDSCAPING AND PLANTING PLANTS				
C11.8.1				Trimming:				
C11.8.1.1				Machine trimming	square metre (m²)	3 000.0	3.50	10 500.00
C11.8.1.2				Hand trimming	square metre (m²)	3 000.0	4.50	13 500.00
C11.8.10				a) Proposed soft landscaping by Landscape Architect	provisional sum (Prov. Sum)	1.0	750 000.00	750 000.00
C11.8.10.1				b) Contractor's mark-up on (a)	%	750 000.0	5.00	37 500.00
Total Carried Forward To Summary								811 500.00

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C11.9: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

[illegible]

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C11.9: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						436 125.00
C12.13.02		(ii) Segmental block retaining wall vertical, L13 block or equivalent	square metre (m ²)	42.0	2 700.00	113 400.00
		Excavation for concrete bases for earth retaining systems				
	(a)	In soft material	cubic metre (m ³)	45.0	125.00	5 625.00
	(b)	Extra-over subitem C12.13.02 (a) for excavation in hard material	cubic metre (m ³)	10.0	0.00	0.00
C12.13.03		Concrete bases for earth retaining systems	cubic metre (m ³)	25.0	1 230.00	30 750.00
C12.13.04		High tensile steel reinforcement	ton (t)	2.0	20 000.00	40 000.00
C12.13.05		Filter fabric Grade A2	square metre (m ²)	250.0	20.00	5 000.00
C12.13.06		Sand infill, minimum G7 material	cubic metre (m ³)	400.0	150.00	60 000.00
Total Carried Forward To Summary						690 900.00

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SUMMARY OF SECTIONS		
Section	Description	Amount
C1.5	C1.5: ACCOMMODATION OF TRAFFIC	12572 230.00
C1.6	C1.6: CLEAR AND GRUBBING	762 550.00
C3.1	C3.1: DRAINS	3327 100.00
C3.3	C3.3 CONCRETE KERBING AND CHANNELING	2721 150.00
C4.1	C4.1: BORROW MATERIALS	3073 300.00
C4.2	C4.2: CUT MATERIALS	1550 000.00
C4.3	C4.3: EXISTING ROAD MATERIALS	2205 175.00
C4.4	C4.4: COMMERCIAL MATERIALS	8538 200.00
C5.1	C5.1: ROADBED	1298 000.00
C5.2	C5.2: FILL	422 500.00
C5.3	C5.3: ROAD PAVEMENT LAYERS	2579 150.00
C5.4	C5.4: STABILISATION	962 250.00
C6.2	C6.2 SEGMENTAL BLOCK PAVING LAYERS	4016 650.00
C9.1	C9.1: ASPHALT LAYERS	13782 840.00
C11.6	C11.6: ROAD SIGNS	1249 150.00
C11.7	C11.7: ROAD MARKINGS AND ROAD STUDS	614 950.00
C11.8	C11.8 LANDSCAPING AND PLANTING PLANTS	811 500.00
C11.9	C11.9: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS	690 900.00
Total Carried Forward To Summary Of Schedules		61177 595.00

SCHEDULE 3: SERVICES

SECTION 1200 C: SITE CLEARANCE

Item				Description	Unit	Quantity	Rate	Amount
1.0	SANS1200 C			SECTION: SITE CLEARANCE				
1.1				CLEAR SITE				
1.1.1	PSC 8.2.7			Dismantle and remove pipelines (not encased in concrete), electricity transmission lines, cables, etc.				
				(a) Stormwater pipelines 150mm dia to 300mm diameter	metre (m)	50.0	200.00	10 000.00
				(b) Stormwater pipelines 300mm dia to 600mm diameter	metre (m)	100.0	300.00	30 000.00
				(c) Foul sewer gravity pipeline, up to 375mm diameter	metre (m)	50.0	350.00	17 500.00
				(d) Water pipelines of all material up to 250mm diameter	metre (m)	1 200.0	150.00	180 000.00
				(e) Large water supply pipeline, cast iron, 750mm diameter	metre (m)	1 100.0	1 000.00	1100 000.00
1.1.2	PSC 8.2.12			a) Provision for removal of existing pipes containing asbestos by a registered asbestos contractor (RAC) to nearest approved dump site	provisional sum (Prov. Sum)	1.0	300 000.00	300 000.00
1.1.2.1				b) Contractor's mark-up on (a)	%	#####	0.00	0.00
1.1.3	8.2.7			Dismantle and remove pipelines encased in concrete	metre (m)	100.0	650.00	65 000.00
1.1.4	8.2.8			Demolish and remove structures and structural steelwork items				
				a) Concrete bollards, incl. bases	number (No.)	20.0	325.00	6 500.00
				b) Existing reinforced concrete chamber walls/slabs, boundary/retaining walls, thrust blocks, foundations	cubic metre (m³)	500.0	325.00	162 500.00
1.1.5	8.2.9			Transport demolished materials and debris to unspecified sites and dump (provisional)	cubic metre-kilometre (m³ - km)	25 000.0	6.00	150 000.00
1.1.6	PSC 8.2.13			Demolish and remove existing headwalls, manholes, chutes and catchpits and spoil material off-site				
				(a) Manholes and chambers of all types and sizes, depths as follows:				
				(i) Over 1,0m and up to 2,0m	number (No.)	80.0	1 000.00	80 000.00
Total Carried Forward								2101 500.00

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SECTION 1200 C: SITE CLEARANCE

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						2101 500.00
1.1.7	PSC 8.2.15	(ii) Over 2,0m and up to 3,0m	number (No.)	2.0	1 500.00	3 000.00
		(b) Catchpits, depths as follows:				
		(i) Over 1,0m and up to 2,0m	number (No.)	30.0	1 000.00	30 000.00
		(c) Headwalls and outlets of all types and sizes				
		(i) 100mm diam. to 300mm diam.	number (No.)	5.0	500.00	2 500.00
		Expose existing services, ducts and cables by hand excavation, including restrictive work	cubic metre (m³)	1 500.0	150.00	225 000.00
Total Carried Forward To Summary						2362 000.00

SCHEDULE 3: SERVICES

SECTION 1200 DB: PIPE TRENCHES SERVICES

Item			Description	Unit	Quantity	Rate	Amount
2.0	SANS1200 DB		SECTION: PIPE TRENCHES SERVICES				
			EXCAVATION (SEWER AND STORMWATER)				
2.1	8.3.2(a)		Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: 100 mm diam. for total trench depth:				
2.1.1			Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	10.0	500.00	5 000.00
2.1.2			Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	20.0	500.00	10 000.00
			Over 100 up to 300 mm diam. for total trench depth:				
2.1.3			Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	1 000.0	265.00	265 000.00
2.1.4			Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	300.0	265.00	79 500.00
2.1.5			Exceeding 2,0 m but not exceeding 3,0 m	cubic metre (m³)	100.0	265.00	26 500.00
			Over 300 up to 600 mm diam. for total trench depth:				
2.1.6			Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	1 000.0	265.00	265 000.00
2.1.7			Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	300.0	265.00	79 500.00
2.1.8			Exceeding 2,0 m but not exceeding 3,0 m	cubic metre (m³)	100.0	265.00	26 500.00
2.2	8.3.2(b)		Extra-over items 2.1 incl. for (prov):				
2.2.1			Intermediate excavation	cubic metre (m³)	300.0	50.00	15 000.00
2.3	8.3.2(c)		Excavate and dispose of unsuitable material from trench bottom (Provisional)	cubic metre (m³)	100.0	85.00	8 500.00
2.4			EXCAVATION. ANCILLARIES Make up deficiency in backfill material (Provisional)				
2.4.1	8.3.3.1(a)		from other necessary excavations on site	cubic metre (m³)	700.0	10.00	7 000.00
2.4.2	8.3.3.1(c)		by importation from commercial or off-site sources selected by the Contractor	cubic metre (m³)	700.0	300.00	210 000.00
2.5	PSDB 8.3.4		Particular Items				
Total Carried Forward							997 500.00

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SECTION 1200 DB: PIPE TRENCHES SERVICES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						997 500.00
2.5.1	8.3.4	a) Shoring trench in all cases for depths:				
		i) 1,0m - 2,0m	metre (m)	200.0	600.00	120 000.00
		ii) 2,0m - 3,0m	metre (m)	100.0	800.00	80 000.00
2.5.2	PSDB 8.3.4 (c)	c) Temporary works : Control / over pump sewerage water from existing manhole to another manhole as per dwg 701-1601 to 1603				
		1) Provide equipment, incl. establish major pump, supply and control panel	number (No.)	2.0	7 500.00	15 000.00
		2) Operate and maintain	Days	10.0	4 500.00	45 000.00
		3) Remove equipment	number (No.)	2.0	2 500.00	5 000.00
2.5.4	PSDB 8.3.4 (d)	d) Provision of stone bedding and filter fabric layer for unstable trench bottom				
		(i) 20mm stone bedding	cubic metre (m³)	100.0	595.00	59 500.00
		(ii) A6 geotextile or equivalent approved	square metre (m²)	300.0	35.00	10 500.00
2.5.5		e) Provision of liquid waste (sewer) transport and disposal by approved service provider				
		(i) Honey sucker vacuum truck, min size 10kl	hour (h)	16.0	1 500.00	24 000.00
		(ii) Volume of liquid waste (sewer) to be disposed to a suitable facility by service provider	cubic metre (m³)	200.0	650.00	130 000.00
2.5.6		f) Provision for vertical sheet piling, where required				
		(i) Allowance to provide for establishment, setting up, driving of piling vertical sheets, extraction, sheet rental, props and supports including necessary grouting, as per the Engineer's requirements	provisional sum (Prov. Sum)	1.0	250 000.00	250 000.00
		(ii) Contractor's mark up on (i)	%	250 000.0	5.00	12 500.00
2.6		EXISTING SERVICES				
	8.3.5	Services across and in trenches				
	PSDB 8.3.5	Location of services				
2.6.1		(i) The use of GPR equipment or equivalent to detect underground services	hour (h)	50.0	350.00	17 500.00
Total Carried Forward						1766 500.00

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SECTION 1200 DB: PIPE TRENCHES SERVICES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1766 500.00
2.6.2	8.3.5(a)	Services that intersect a trench				
		(a) Cables, up to 100mm diam. each	number (No.)	21.0	100.00	2 100.00
		(b) Sewer pipes up to 250 mm diam.	number (No.)	3.0	50.00	150.00
		(c) Water mains up to 300 mm diam.	number (No.)	2.0	500.00	1 000.00
		(d) Stormwater pipes up to 750 mm	number (No.)	6.0	500.00	3 000.00
		(e) Ducts, up to 160mm diam.	number (No.)	20.0	250.00	5 000.00
2.6.3	8.3.5(b)	Services that adjoin a trench				
		(a) Cables, up to 100mm diam. each	metre (m)	10.0	40.00	400.00
		(b) Sewer pipes up to 250 mm diam.	metre (m)	50.0	40.00	2 000.00
		(c) Water mains up to 300 mm diam.	metre (m)	200.0	40.00	8 000.00
		(e) Ducts, up to 160mm diam.	metre (m)	10.0	40.00	400.00
Total Carried Forward To Summary						1788 550.00

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SECTION 1200 LB: BEDDING

Item			Description	Unit	Quantity	Rate	Amount
3.0	SANS1200 LB		SECTION: BEDDING				
			PROVISION OF BEDDING (SEWER AND STORMWATER)				
3.1			Available from trench within 0,5 km (Subclause 3.4.1)				
	8.2.1		a) Selected granular material	cubic metre (m³)	330.0	10.00	3 300.00
			b) Selected fill material	cubic metre (m³)	450.0	10.00	4 500.00
			Imported from				
	8.2.2.3		c) Commercial sources (Provisional)				
			1) Selected granular material	cubic metre (m³)	200.0	300.00	60 000.00
			2) Selected fill material	cubic metre (m³)	200.0	300.00	60 000.00
Total Carried Forward To Summary							127 800.00

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SECTION 1200 LC: CABLE DUCTS

Item			Description	Unit	Quantity	Rate	Amount
4.0	SANS1200 LC		SECTION: CABLE DUCTS				
	8.2.2		EXCAVATION				
4.1			Excavate in all material for trenches, backfill, compact and dispose of surplus material				
			(i) Trenches for 1x110 diam. duct	metre (m)	50.0	150.00	7 500.00
			(ii) Trenches for 2x110 diam. duct	metre (m)	50.0	150.00	7 500.00
			(iii) Trenches for 1x160 diam. duct	metre (m)	50.0	150.00	7 500.00
			(iv) Trenches for 2x160 diam. duct	metre (m)	50.0	150.00	7 500.00
			(v) Trenches for 6x110 diam. duct & 2x160 diam. duct combination	metre (m)	550.0	215.00	118 250.00
			(vi) Trenches for 6x110 diam. duct combination	metre (m)	1 200.0	175.00	210 000.00
			(vii) Trenches for 7x110 diam. duct combination	metre (m)	500.0	185.00	92 500.00
	DB 1200		EXISTING SERVICES				
4.2	8.3.5		Services across and in trenches				
4.2.1	PSDB 8.3.5		Location of services				
			(i) The use of GPR equipment or equivalent to detect underground services	hour (h)	20.0	350.00	7 000.00
4.2.2	DB 8.3.5(a)		Services that intersect a trench				
			(a) Cables, up to 100mm diam. each	number (No.)	200.0	500.00	100 000.00
			(b) Sewer pipes up to 250 mm diam.	number (No.)	30.0	250.00	7 500.00
			(c) Water mains up to 750 mm diam.	number (No.)	60.0	250.00	15 000.00
			(d) Stormwater pipes up to 750 mm	number (No.)	20.0	2 500.00	50 000.00
			(e) Ducts, up to 160mm diam.	number (No.)	200.0	250.00	50 000.00
4.2.3	DB 8.3.5(b)		Services that adjoin a trench				
			(a) Cables, up to 100mm diam. each	metre (m)	500.0	40.00	20 000.00
			(b) Sewer pipes up to 250 mm diam.	metre (m)	100.0	40.00	4 000.00
Total Carried Forward							704 250.00

SECTION 1200 LC: CABLE DUCTS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						704 250.00
4.3	PSLC 8.2.5	(c) Water mains up to 300 mm diam.	metre (m)	100.0	40.00	4 000.00
		(d) Stormwater pipes up to 750 mm	metre (m)	250.0	40.00	10 000.00
		(e) Ducts, up to 160mm diam.	metre (m)	500.0	40.00	20 000.00
4.3.1		SUPPLY, LAY, BED, AND PROVE DUCTS				
		All ducts to be uPVC SANS 61386-24 with sleeve type couplings and draw wire, as per drawings				
		(i) Group of 1 No. 1 x 110 mm diam. uPVC pipes - Class 12	metre (m)	50.0	60.00	3 000.00
		(ii) Group of 1 No. 2 x 110 mm diam. uPVC pipes	metre (m)	50.0	120.00	6 000.00
		(iii) Group of 1 No. 1 x 160 mm diam. uPVC pipes	metre (m)	50.0	110.00	5 500.00
		(iv) Group of 1 No. 2 x 160 mm diam. uPVC pipes	metre (m)	50.0	220.00	11 000.00
		(v) Group of 1 No. 6x110 diam. duct & 2x160 diam. duct combination	metre (m)	550.0	580.00	319 000.00
		(vi) Group of 1 No. 6 x 110 mm diam. uPVC pipes	metre (m)	1 200.0	360.00	432 000.00
		(vii) Group of 1 No. 7 x 110 mm diam. uPVC pipes	metre (m)	500.0	420.00	210 000.00
4.4	8.2.6	IMPORT BEDDING MATERIAL (provisional)				
		(i) Non plastic bedding sand	cubic metre (m³)	2 000.0	300.00	600 000.00
4.5	PSLC 8.2.7	DRAW PITS/MANHOLES COMPLETE ACCORDING TO THE STANDARD DETAILS				
		(i) Type A, 1.46m x 1.46m standard access chamber, 1m deep	number (No.)	10.0	15 100.00	151 000.00
		(ii) Type B, 2.5m x 3m x 1.5m telecom concrete access chamber	number (No.)	10.0	13 100.00	131 000.00
		(iii) Type C, 4.5m x 1.29m x 1m telecom brick access chamber	number (No.)	10.0	35 000.00	350 000.00
4.6	PSLC 8.2.10	CABLE PROTECTION				
4.6.1		Installation of concrete slabs for protection of existing and new services (Provisional)				
Total Carried Forward						2956 750.00

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SECTION 1200 LC: CABLE DUCTS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						2956 750.00
4.7	PSLC 8.2.11	(i) 1.5m x 0.9m, Type A	number (No.)	100.0	250.00	25 000.00
		(ii) 1.0m x 0.9m, Type B	number (No.)	100.0	205.00	20 500.00
		Concrete encasement of existing and proposed ducts, 15MPa/20mm, where instructed	cubic metre (m³)	230.0	2 100.00	483 000.00
4.9	PSLC 8.2.13	Steel reinforcement for electrical chambers and protection slabs				
		(i) High tensile steel bars	ton (t)	5.0	18 000.00	90 000.00
		(iii) Welded steel fabric / mesh	ton (t)	5.0	25 000.00	125 000.00
Total Carried Forward To Summary						3700 250.00

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SECTION 1200 LD: SEWERS

Item				Description	Unit	Quantity	Rate	Amount
5.0	SANS			SECTION : SEWERS				
5.1	1200 LD			PIPEWORK				
5.1.1	8.2.1			Supply, lay, joint, bed uPVC SDR34 sewer pipes				
				(a) 150 mm diam.	metre (m)	30.0	150.00	4 500.00
				(b) 200 mm diam.	metre (m)	50.0	220.00	11 000.00
5.1.2	8.2.1			Supply, lay, joint, bed concrete spigot and socket class 75D sewer pipes				
				(a) 375 mm diam.	metre (m)	100.0	600.00	60 000.00
5.2	1200 LD 8.2.3			MANHOLES, ETC. Manholes to Dwg No. 701-2501 complete with cover and frame, for depths over and up to				
				(a) 1,0 m to 2 m	number (No.)	2.0	17 000.00	34 000.00
				(b) 2,0 m to 3 m	number (No.)	2.0	20 000.00	40 000.00
				(c) 3,0 m to 4 m	number (No.)	2.0	23 000.00	46 000.00
5.3				SUNDRIES				
5.3.1	8.2.11			Break into and connect to existing manhole including flexible joints and make good all benching	number (No.)	10.0	3 750.00	37 500.00
5.3.2	8.2.12			Raising or lowering of existing manholes	number (No.)	20.0	1 250.00	25 000.00
Total Carried Forward To Summary								258 000.00

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SECTION 1200 LE: STORMWATER DRAINAGE

Item			Description	Unit	Quantity	Rate	Amount
6.0	SANS1200 LE		SECTION: STORMWATER DRAINAGE				
			PIPES				
6.1	8.2.1		Supply, handle, lay, bed Class C concrete pipe Type 100D, spigot and socket				
			a) 300 mm diameter	metre (m)	180.0	455.00	81 900.00
			b) 375 mm diameter	metre (m)	600.0	600.00	360 000.00
			c) 450 mm diameter	metre (m)	30.0	715.00	21 450.00
6.2	PSLE 8.2.8		MANHOLES Construct new manholes complete with covers and frames, as per the dwgs. 701-2601 to 2603				
			a) Manhole Type A, standard precast ring type, for pipes up to 450mm diam.	number (No.)	25.0	16 500.00	412 500.00
6.3	PSLE 8.2.8		CATCHPITS Construct complete with grid inlets, as per dwgs. 701-2601 to 2602				
			a) Catchpit, kerb & grid inlet type	number (No.)	21.0	12 750.00	267 750.00
6.4	8.2.13		The raising and lowering of existing manholes	number (No.)	20.0	1 250.00	25 000.00
6.5			Additional Brickwork and Plastering, Benching, where instructed by the Engineer				
	8.2.9(a)		(a) 115 mm thick	square metre (m ²)	10.0	400.00	4 000.00
			(b) 230 mm thick	square metre (m ²)	50.0	800.00	40 000.00
			(c) 345 mm thick	square metre (m ²)	80.0	1 200.00	96 000.00
	8.2.9(b)		(d) Plaster (not less than 10 mm and not more than 15 mm thick)	square metre (m ²)	80.0	150.00	12 000.00
	8.2.9(c)		(e) Benching in prescribed mix 20 concrete with granolithic rendering	square metre (m ²)	30.0	325.00	9 750.00
6.6	1200 GA		Steel Reinforcement for all chambers				
	8.3.1		a) High Tensile Steel	kilogram (kg)	1 000.0	18.00	18 000.00
	8.3.2		b) Welded steel mesh	kilogram (kg)	1 000.0	30.00	30 000.00
6.7	1200 GA 8.4		Concrete, 30Mpa/20mm	cubic metre (m ³)	10.0	2 900.00	29 000.00
Total Carried Forward							1407 350.00

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SECTION 1200 LE: STORMWATER DRAINAGE

Item		Description		Unit	Quantity	Rate	Amount
Brought Forward							1407 350.00
6.8	1200 GA 8.2		Formwork, vertical	square metre (m²)	50.0	550.00	27 500.00
Total Carried Forward To Summary							1434 850.00

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SUMMARY OF SECTIONS		
Section	Description	Amount
1200 C	SECTION 1200 C: SITE CLEARANCE	2362 000.00
1200 DB	SECTION 1200 DB: PIPE TRENCHES SERVICES	1788 550.00
1200 LB	SECTION 1200 LB: BEDDING	127 800.00
1200LC	SECTION 1200 LC: CABLE DUCTS	3700 250.00
1200LD	SECTION 1200 LD: SEWERS	258 000.00
1200LE	SECTION 1200 LE: STORMWATER DRAINAGE	1434 850.00
Total Carried Forward To Summary Of Schedules		9671 450.00

SCHEDULE 4: WATER MAINS

SECTION 1: EARTHWORKS (PIPE TRENCHES)

Item			Description	Unit	Quantity	Rate	Amount
			SECTION 1: EARTHWORKS (PIPE TRENCHES)				
			EXCAVATION (WATER MAIN)				
L1	1200DB & PSDB 8.3.2		Excavate in all materials by machine for trenches, backfill, compact, and dispose of surplus material				
	PSDB 8.3.2 a		Over 100 up to 350 mm diam. for total trench depth:				
L1.1			a) Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	800.0	285.00	228 000.00
L1.2			b) Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	750.0	285.00	213 750.00
			Over 350 up to 800 mm diam. for total trench depth:				
L1.3			a) Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	1 800.0	285.00	513 000.00
L1.4			b) Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	1 800.0	285.00	513 000.00
L2	PSDB 8.3.2 b		Extra-over items L1.1 to L1.4 incl. for (provisional):				
L2.1			i) Intermediate material	cubic metre (m³)	300.0	100.00	30 000.00
L2.2			ii) Hard rock	cubic metre (m³)	50.0	100.00	5 000.00
L2.3			iii) using pneumatic tools or other techniques where blasting is not permitted	cubic metre (m³)	10.0	1 250.00	12 500.00
L3.1	PSDB 8.3.2 c		Excavate and dispose of unsuitable material from trench bottom (Provisional)	cubic metre (m³)	200.0	85.00	17 000.00
L4	PSDB 8.3.2 d		Excavate in all materials by hand for trenches, backfill, compact, and dispose of surplus material				
			Over 100 up to 500 mm diam. for total trench depth:				
L4.1			a) Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	400.0	350.00	140 000.00
L4.2			b) Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	325.0	450.00	146 250.00
L4.3			c) Exceeding 2,0 m but not exceeding 3,0 m	cubic metre (m³)	100.0	550.00	55 000.00
Total Carried Forward							1873 500.00

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SCHEDULE 4: WATER MAINS

SECTION 1: EARTHWORKS (PIPE TRENCHES)

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1873 500.00
L5	PSDB 8.3.2 b	Extra-over items L4.1 to L4.3 incl. for (provisional):				
L5.1		i) Intermediate material	cubic metre (m³)	50.0	150.00	7 500.00
L5.2		ii) Hard rock	cubic metre (m³)	1.0	1 250.00	1 250.00
L5.3		iii) using pneumatic tools or other techniques where blasting is not permitted	cubic metre (m³)	1.0	1 250.00	1 250.00
L6	PSDB 8.3.2 e	Short trench excavations for point repairs and valve chambers / structures installation				
		Excavate in all materials for short trenches, backfill, compact and dispose of surplus material material, including dewatering, for all pipe diameters for the following depths:				
L6.1		a) Exceeding 0,0 m but not exceeding 1,0 m	cubic metre (m³)	150.0	300.00	45 000.00
L6.2		b) Exceeding 1,0 m but not exceeding 2,0 m	cubic metre (m³)	135.0	500.00	67 500.00
L6.3		c) Exceeding 2,0 m but not exceeding 3,0 m	cubic metre (m³)	120.0	600.00	72 000.00
L6.4		d) Exceeding 3,0 m but not exceeding 4,0 m	cubic metre (m³)	100.0	700.00	70 000.00
L7	PSDB 8.3.2 b	Extra-over items L6.1 to L6.3 incl. for (provisional):				
L7.1		i) Intermediate material	cubic metre (m³)	15.0	100.00	1 500.00
		ii) Hard rock	cubic metre (m³)	1.0	450.00	450.00
L7.3		iii) using pneumatic tools or other techniques where blasting is not permitted	cubic metre (m³)	1.0	1 250.00	1 250.00
	8.3.3	EXCAVATION ANCILLARIES				
L8	8.3.3.1	Make up deficiency in backfill material (provisional)				
L8.1		a) From other necessary excavations on site	cubic metre (m³)	400.0	10.00	4 000.00
		By importation from commercial source (As approved by the Employer's Agent)				
L8.2		a) Sand	cubic metre (m³)	400.0	300.00	120 000.00
Total Carried Forward						2265 200.00

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SECTION 1: EARTHWORKS (PIPE TRENCHES)

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						2265 200.00
L9	8.3.4	PARTICULAR ITEMS				
		a) Shoring trench in all cases for depths:				
L9.1		i) 1,0m - 2,0m (both sides inclusive)	metre (m)	1 000.0	0.00	0.00
L9.2		ii) 2,0m - 3,0m (both sides inclusive)	metre (m)	500.0	0.00	0.00
		EXISTING SERVICES				
L10	8.3.5	Services that intersect a trench (temporary protection)				
L10.1		(a) Cables, up to 100mm diam. each	number (No.)	100.0	500.00	50 000.00
L10.2		(b) Sewer pipes up to 250 mm diam.	number (No.)	10.0	250.00	2 500.00
L10.3		(c) Water mains up to 300 mm diam.	number (No.)	10.0	250.00	2 500.00
L10.4		(d) Stormwater pipes up to 750 mm	number (No.)	10.0	250.00	2 500.00
L10.5		(e) Ducts, up to 160mm diam.	number (No.)	100.0	250.00	25 000.00
L11		Services that adjoin a trench (temporary protection)				
L11.1		(a) Cables, up to 100mm diam. each	metre (m)	3 000.0	40.00	120 000.00
L11.2		(b) Sewer pipes up to 250 mm diam.	metre (m)	100.0	40.00	4 000.00
L11.3		(c) Water mains up to 300 mm diam.	metre (m)	1 500.0	40.00	60 000.00
L11.4		(d) Stormwater pipes up to 750 mm	metre (m)	250.0	40.00	10 000.00
L11.5		(e) Ducts, up to 160mm diam.	metre (m)	100.0	40.00	4 000.00
L12	PSDB 8.3.5	Location of Existing Services				
L12.1		(i) The use of GPR equipment or equivalent to detect underground services	hour (h)	24.0	2 355.00	56 520.00
	1200LB & PSLB	PROVISION OF BEDDING				
L13.1		Available from trench within 0,5 km (Subclause 3.4.1)				
	8.2.1	a) Selected granular material (min G7 material)	cubic metre (m³)	410.0	10.00	4 100.00
Total Carried Forward						2606 320.00

SCHEDULE 4: WATER MAINS

SECTION 1: EARTHWORKS (PIPE TRENCHES)

Item		Description		Unit	Quantity	Rate	Amount
Brought Forward							2606 320.00
L13.2	8.2.2.3		b) Selected fill material	cubic metre (m³)	490.0	10.00	4 900.00
			Imported from				
			c) Commercial sources (Provisional)				
			1) Selected granular material (min G7 material)	cubic metre (m³)	820.0	300.00	246 000.00
			2) Selected fill material	cubic metre (m³)	980.0	300.00	294 000.00
Total Carried Forward To Summary							3151 220.00

SECTION 2: MEDIUM PRESSURE PIPELINES

SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						10773 350.00
L4.2		b) Extra-over Item L4.1 for supply, transport and storing of pipe specials complete with couplings in accordance with the specifications.	metre (m)	1 100.0	63.50	69 850.00
L5	PSL8.2.2 a) / b)	SPECIALS AND FITTINGS Supply, lay, bed, joint, incl. cut pipes to length where required, test and disinfect. Steel specials to PSL3.4, other relevant specifications listed under PSL 3.7. All bolts and nuts to be stainless steel. Internal coating: epoxy (250 micron) according to EN 14901. External coating: Metallic Zinc. All flanges to SANS 7005.				
L5.1		BENDS				
L5.1.1		11.25 deg				
L5.1.1.1		a) 110 mm diam. cast iron, socketed	number (No.)	2.0	750.00	1 500.00
L5.1.1.2		b) 160 mm diam. cast iron, socketed	number (No.)	2.0	1 550.00	3 100.00
L5.1.1.3		c) 250 mm diam. cast iron, socketed	number (No.)	2.0	4 220.00	8 440.00
L5.1.2		22.5 deg				
L5.1.2.1		a) 110 mm diam. cast iron, socketed	number (No.)	2.0	750.00	1 500.00
L5.1.2.2		b) 160 mm diam. cast iron, socketed	number (No.)	2.0	1 550.00	3 100.00
L5.1.2.3		c) 250 mm diam. cast iron, socketed	number (No.)	2.0	4 220.00	8 440.00
L5.1.3		45 deg				
L5.1.3.1		a) 110 mm diam. cast iron, socketed	number (No.)	2.0	840.00	1 680.00
L5.1.3.2		b) 160 mm diam. cast iron, socketed	number (No.)	4.0	1 850.00	7 400.00
L5.1.3.3		c) 250 mm diam. cast iron, socketed	number (No.)	2.0	4 250.00	8 500.00
L5.1.3.4		d) 750 mm diam. steel CML, CL X42, plain ended, welded on site	number (No.)	4.0	93 625.00	374 500.00
L5.1.4		90 deg				
Total Carried Forward						11261 360.00

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SECTION 2: MEDIUM PRESSURE PIPELINES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						11261 360.00
L5.1.4.1		a) 250 mm diam. cast iron, socketed	number (No.)	1.0	4 850.00	4 850.00
L5.2		TEES				
L5.2.1		a) 110 x 160 mm cast iron, socketed	number (No.)	6.0	2 500.00	15 000.00
L5.2.2		b) 250 x 160 mm cast iron, socketed	number (No.)	6.0	4 500.00	27 000.00
L5.2.3		c) 250 x 250 mm cast iron, socketed	number (No.)	1.0	4 750.00	4 750.00
L5.2.4		d) 750 x 750 mm steel CML, CL X42, flanged	number (No.)	1.0	163 750.00	163 750.00
L5.2.5		e) 750 x 750 mm steel CML, CL x42, plain ended with flanged branch	number (No.)	1.0	92 750.00	92 750.00
L5.2.6		f) 750 x 250 mm steel CML, CL X42, plain ended with flanged branch	number (No.)	2.0	43 500.00	87 000.00
L5.2.7		g) 750 x 250 mm steel CML, CL X42, flanged	number (No.)	2.0	118 000.00	236 000.00
L5.2.8		h) 750 x 400 mm steel CML, CL X42, flanged	number (No.)	1.0	122 000.00	122 000.00
L5.2.9		i) 750 x 400 mm steel CML, CL X42, plain ended with flanged branch	number (No.)	1.0	49 500.00	49 500.00
L5.3		SCOUR TEE				
L5.3.1		a) 750 x 250 mm dia. steel CML, CL X42, plain ended with flanged branch	number (No.)	2.0	47 650.00	95 300.00
L5.4		HYDRANT TEES				
L5.4.1		a) 160 x 100 mm diam. cast iron, socketed with flanged branch	number (No.)	12.0	3 000.00	36 000.00
L5.4.2		b) 250 x 100 mm diam. cast iron, socketed with flanged branch	number (No.)	1.0	5 350.00	5 350.00
L5.5		REDUCERS				
L5.5.1		a) 160 x 110 mm diam. cast iron, socketed	number (No.)	3.0	1 500.00	4 500.00
L5.5.2		b) 160 x 110 mm diam. cast iron, flanged	number (No.)	3.0	3 850.00	11 550.00
L5.5.3		c) 250 x 160 mm diam. cast iron, socketed	number (No.)	5.0	2 650.00	13 250.00
Total Carried Forward						12229 910.00

SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item	Description	Unit	Quantity	Rate	Amount
Brought Forward					12229 910.00
L5.5.4	d) 250 x 160 mm diam. cast iron, flanged	number (No.)	5.0	4 750.00	23 750.00
L5.5.5	e) 750 x 600 mm diam. steel CML, CL X42, flanged	number (No.)	6.0	66 500.00	399 000.00
L5.6	END CAPS				
L5.6.1	a) 110 mm diam. cast iron	number (No.)	14.0	650.00	9 100.00
L5.6.2	b) 160 mm diam. cast iron	number (No.)	5.0	1 065.00	5 325.00
L5.6.3	c) 250 mm diam. cast iron	number (No.)	5.0	2 760.00	13 800.00
L5.6.4	d) 750 mm diam. steel	number (No.)	2.0	88 750.00	177 500.00
L5.8	FLANGE ADAPTORS				
L5.8.1	a) 110 x 110 mm diam.	number (No.)	3.0	760.00	2 280.00
L5.8.2	b) 160 x 110 mm diam.	number (No.)	5.0	1 250.00	6 250.00
L5.8.3	c) 160 x 160 mm diam.	number (No.)	5.0	1 650.00	8 250.00
L5.8.4	d) 750 x 750 mm diam.	number (No.)	4.0	42 500.00	170 000.00
L5.10	PIPE COUPLINGS				
L5.10.1	a) 110mm diam. VJ coupling or equivalent	number (No.)	3.0	960.00	2 880.00
L5.10.2	b) 160mm diam. VJ coupling or equivalent	number (No.)	5.0	1 550.00	7 750.00
L5.10.3	c) 250mm diam. VJ coupling or equivalent	number (No.)	5.0	2 400.00	12 000.00
L5.10.4	d) 750mm diam. VJ coupling or equivalent	number (No.)	4.0	16 750.00	67 000.00
L5.12	BLANK FLANGES				
L5.12.1.1	a) 750 mm diam. steel	number (No.)	2.0	88 750.00	177 500.00
L5.13	DISMANTLING JOINTS				
L5.13.1	a) 100 mm diam. flanged	number (No.)	6.0	3 025.00	18 150.00
Total Carried Forward					13330 445.00

SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item	Description	Unit	Quantity	Rate	Amount
Brought Forward					13330 445.00
L5.13.2	b) 250 mm diam. flanged	number (No.)	5.0	8 075.00	40 375.00
L5.13.3	c) 600 mm diam. flanged	number (No.)	4.0	35 000.00	140 000.00
L6	VALVES, FLOW METER, ETC.				
L6.1	Supply of Valve (left-hand closing, non- rising spindle, with cap top) and store, install				
L6.1.1	Flanged Resilient Seal Gate Valve (PN25)				
L6.1.1	a) 50 mm diam.	number (No.)	2.0	6 065.00	12 130.00
L6.1.2	b) 80 mm diam.	number (No.)	2.0	7 155.00	14 310.00
L6.1.3	c) 110 mm diam.	number (No.)	5.0	10 250.00	51 250.00
L6.1.4	d) 160 mm diam.	number (No.)	7.0	12 500.00	87 500.00
L6.1.5	e) 250 mm diam.	number (No.)	2.0	29 650.00	59 300.00
L6.1.6	f) 300 mm diam.	number (No.)	4.0	51 275.00	205 100.00
L6.2	Supply of flanged double eccentricity bi-directional butterfly valve (PN25). Butterfly valve, PN25 flanged to SANS 7005				
L6.2.1	a) 600 mm diam. with flanged ends	number (No.)	3.0	170 500.00	511 500.00
L7	AIR VALVES				
L7.1	Supply Combination Air Valve (air release and vacuum breaker) complete with T-pieces and couplings where necessary, Class 25 Flanged, store and install				
L7.1	a) 50 mm diam. male thread Vent-o-mat RBX Air release and vacuum break valve or equivalent	number (No.)	1.0	10 800.00	10 800.00
L7.2	b) 80 mm diam. flanged with screw studs Vent-o-mat RBX Air release and vacuum break valve or equivalent	number (No.)	1.0	16 750.00	16 750.00
	VALVE CHAMBERS AND BOXES:				
Total Carried Forward					14479 460.00

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SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						14479 460.00
L8		Valve chambers and boxes, complete to detail drawings				
L8.1		Ductile iron valve boxes with cover and cap (refer to drawing No. W4-V-001)				
L8.1.1		a) 100 mm up to 300 mm diam.	number (No.)	14.0	3 250.00	45 500.00
L8.2		Air valve boxes with ductile iron cover and cap (refer to drawing No. W3-AV-001)	number (No.)	1.0	8 500.00	8 500.00
L9		FIRE HYDRANTS				
L9.1		Underground Fire Hydrants				
L9.1.1		Supply of valve only for off-set hydrant assembly as per specification (refer to Drawing No. W4-F-002, Specials measured separately)	number (No.)	5.0	5 000.00	25 000.00
L9.1.2		Supply of 90 degree steel bend and steel extension piece for off-set hydrant assembly (refer to Drawing No. W4-F-002)	number (No.)	6.0	2 100.00	12 600.00
L9.1.3		Installation of new underground hydrant complete as per specification (refer to Drawing No. W4-F-002) including all other materials required (Valve, bend and extension piece measured separately) excluding chamber	number (No.)	13.0	500.00	6 500.00
L9.1.4		Supply and installation of new hydrant chamber complete (refer to Drawing No. W4-F-001)	number (No.)	13.0	3 750.00	48 750.00
L9.1.5		Extra-Over for fire hydrant extension flanged pieces greater than 500mm in length a) 750mm long	number (No.)	5.0	2 250.00	11 250.00
L10		MANHOLES AND CHAMBERS				
L10.1	SANS 1200LE 8.2.9	(a) Brickwork				
L10.1.1		(i) 115mm thick	square metre (m²)	40.0	450.00	18 000.00
L10.2	SANS 1200GA 8.2.2	Smooth formwork				
L10.2.1		(i) to walls	square metre (m²)	50.0	500.00	25 000.00
L10.2.2		(ii) to cover slab	square metre (m²)	50.0	850.00	42 500.00
Total Carried Forward						14723 060.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						14723 060.00
		(iii) to base floor	square metre (m ²)	20.0	300.00	6 000.00
L10.3	SANS 1200GA 8.3.1	Steel reinforcement, high tensile steel bars	ton (t)	5.0	20 000.00	100 000.00
L10.4	1200GA 8.4	Concrete Items				
L10.4.1	8.4.1	a) Mix 30/19 Concrete	cubic metre (m ³)	20.0	3 125.00	62 500.00
L10.4.2	8.4.2	b) Blinding layer 75mm, 15MPa/20mm	cubic metre (m ³)	5.0	2 860.00	14 300.00
L10.5	SANS 1200LE 8.2.10	Manhole covers including frames				
L10.5.1		(i) Typer 1A heavy duty polymer concrete manhole covers and frames	number (No.)	6.0	2 415.00	14 490.00
L10.5.2		(ii) Type 2A Heavy duty polymer concrete manhole covers and frames	number (No.)	6.0	4 100.00	24 600.00
L10.6	1200LE 8.2.10 d)	Active waterproof sealant for construction joints for all water main chambers (Sikaswel S-2 or similar)	litre (l)	20.0	125.00	2 500.00
L10.8	1200 H	Steel spooling pieces as per drawing HHO-7504-704-2801				
L10.8.1	8.3.1.2/ 8.3.2	Supply and fabricate, including delivery	ton (t)	4.0	85 000.00	340 000.00
L10.8.2	8.3.3 to 8.3.6	Install on site	ton (t)	4.0	27 400.00	109 600.00
L10.9	1200H	Fabricated steel cover and frames, ladders as per Engineer's design				
	8.3.1.2/ 8.3.2	Supply and fabricate, including delivery	ton (t)	3.0	85 000.00	255 000.00
	8.3.3 to 8.3.6	Install on site	ton (t)	3.0	5 000.00	15 000.00
L11		ANCILLARIES				
L11.1	1200L 8.2.11	Anchor/Thrust blocks and pedestals				
L11.1.1		a) Concrete mix 25/20	cubic metre (m ³)	50.0	2 850.00	142 500.00
Total Carried Forward						15809 550.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 4: WATER MAINS

SECTION 2: MEDIUM PRESSURE PIPELINES

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						15809 550.00
L11.1.2		b) Marker posts	number (No.)	50.0	285.00	14 250.00
L11.2		Kerb Markers				
L11.2.1		Cut kerb face and paint blue, yellow or red depending on region preference to mark hydrants, valves and house connections				
L11.2.1.1		a) Hydrants	number (No.)	13.0	75.00	975.00
L11.2.1.2		b) Valves	number (No.)	14.0	75.00	1 050.00
L11.3	8.2.16	Tie into existing pipes up to 350mm diam. incl. all additional costs excl. scheduled fittings/couplings	number (No.)	20.0	2 250.00	45 000.00
L11.4	8.2.17	Tie into existng DN750 CI pipe incl. all additional costs excl. scheduled fittings/couplings	number (No.)	2.0	80 000.00	160 000.00
Total Carried Forward To Summary						16030 825.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 4: WATER MAINS

SUMMARY OF SECTIONS		
Sectl	Description	Amount
1	SECTION 1: EARTHWORKS (PIPE TRENCHES)	3151 220.00
2	SECTION 2: MEDIUM PRESSURE PIPELINES	16030 825.00
Total Carried Forward To Summary Of Schedules		19182 045.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSA	ITEM 1 : PRELIMINARY AND GENERAL				
	8.3	FIXED CHARGE AND VALUE RELATED ITEMS				
1.01	8.3.1	Contractual requirements	Sum	1.0	1 650.00	1 650.00
1.02	8.3.2	Establishment of facilities on site	Sum	1.0	15 100.00	15 100.00
1.03	8.3.3	Removal of site establishment on completion	Sum	1.0	15 100.00	15 100.00
1.04	5.11	Compliance with OHS Act Construction Regulations				
1.04.1	5.11.1	Cost of Health and Safety Measures	Sum	1.0	2 750.00	2 750.00
1.04.2	5.11.1	Compiling and Maintenance of Health and Safety Plan	Sum	1.0	2 750.00	2 750.00
1.04.3	5.11.1	Compiling and Maintenance of Safety File	Sum	1.0	2 750.00	2 750.00
1.04.4		Phased planning and execution of the street lighting installation to accommodate scheduled outages, cable jointing, relocation of street lighting kiosks and associated infrastructure, in full compliance with City of Cape Town (CoCT) standards and depot requirements. This includes any necessary adjustments to the installation plan to ensure successful energisation of the relocated street lighting network	Sum	1.0	2 750.00	2 750.00
	8.4	TIME-RELATED ITEMS				
1.05	8.4.1	Contractual requirements	Sum	1.0	18 500.00	18 500.00
1.06	8.4.2	Operate and maintain facilities on site:	Sum	1.0	51 000.00	51 000.00
1.07	8.4.3	Allow for site supervision. The cost shall include for the supervision of the installation and sign-off on the Certificates of Compliance by a competent person (Approved Inspection Authority, Competent Person as defined or Professionally Registered person).	Sum	1.0	245 000.00	245 000.00
	5.3	Apply for all relevant wayleaves, Collect wayleaves, pay permit fee and pay deposit (Refundable from Municipality) Contractor to ensure all wayleaves have been received and are up to date. (All costs included)	Sum	1.0	43 000.00	43 000.00
1.09	8.4.5	Other obligations	Sum	1.0	0.00	0.00
1.10	5.11.2	Guarding of the works throughout project	Sum	1.0	153 000.00	153 000.00
Total Carried Forward To Summary						553 350.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 2: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSC	ITEM 2: UNDERGROUND NETWORKS				
2.3	8.3.1	STREET LIGHT CABLE INSTALLATION				
	8.3.1.2	Supply, lay and test Street Light cables 600/1000V PVC PVC SWA PVC with SABS 1507 mark PVC SWA PVC with SABS 1507 mark				
2.3.1.1	8.3.1.2	25mm ² x 4C (Al)	m	2 238.0	96.00	214 848.00
2.3.1.2	8.3.1.2	35mm ² x 4C (Al) (Engineer approval required prior to material procurement).	m	200.0	120.00	24 000.00
2.3.2	8.3.5.1	Pole Mounted Street Light Kiosk				
	8.3.5.1	City of Cape Town standard street light single door polyethylene Single door kiosk cloud grey, 3 point padlockable locking mechanism, DIN rail mounted, 3 x 60A 1P Curve 1 CB's, auto/manual bypass switch, 9 x 30A 1P, Curve 2 CB's, 1 x 5A 1P Curve 2 CB, 60A AC3 3P Contactor. Galvanised CCG glandplate, Photocell in window on side of kiosk, All live parts shrouded. Contactor to be housed in a bulkhead. Kiosk to comply with SANS 10142-1 Code of Practice and CoCT 60A 3ph ground mount street light kiosk specifications All as detailed on schematic diagrams on drawing HHO-7504-703-1701-3 and CoCT drawing DR3055 sheet 3 (Rev 1). C.O.C must be included in pricing	number (No.)	1.0	20 000.00	20 000.00
2.3.2.1	8.3.5.1	Ground Mounted Street Light Kiosk (FATBOY SL KIOSK)				
	8.3.5.1	City of Cape Town standard street light double door Steel kiosk cloud grey, 3 point padlockable locking mechanism, DIN rail mounted, 3 x 60A 1P Curve 1 CB's, auto/manual bypass switch, 9 x 30A 1P, Curve 2 CB's, 1 x 5A 1P Curve 2 CB, 60A AC3 3P Contactor. Galvanised CCG glandplate, Photocell in window on side of kiosk, All live parts shrouded. Contactor to be housed in a bulkhead. Kiosk to comply with SANS 10142-1 Code of Practice and CoCT 60A 3ph ground mount street light kiosk specifications All as detailed on schematic diagrams on drawing HHO-7504-703-1701-3 and CoCT drawing DR3055 sheet 3 (Rev 1). C.O.C must be included in pricing. (FAT BOY STREET LIGHTING KIOSK)	number (No.)	1.0	20 000.00	20 000.00
	SSF					
Total Carried Forward						278 848.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 2: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						278 848.00
2.3.2.2	3.1.1	A 6m galvanised steel kicker pipe and mounted with associated buckle and metal straps to the street lighting pole for a street lighting kiosk with one incoming supply and three outgoing supply according to CoCt standards.				
	3.1.1	Street lighting poles are mounted 6m from the ground to the bottom of the kiosk	number (No.)	2.0	820.00	1 640.00
	SSC					
2.3.3	8.3.6.6	Termination of Street Light cable with CCG glands				
2.3.3.1	8.3.6.6	25mm ² x 4C (Al)	number (No.)	6.0	350.00	2 100.00
2.3.3.2	8.3.6.6	35mm ² x 4C (Al)	number (No.)	4.0	520.00	2 080.00
2.3.4	8.3.6.8	Termination of S/L cable in S/L poles with Dinky Connectors				
2.3.4.1	8.3.6.8	25mm ² x 4C (Al)	number (No.)	96.0	220.00	21 120.00
2.3.4.2		Jointing of 25mm ² x 4C (Al) or any existing street lighting cable (copper or aluminium) to provide a temporary supply (Engineer approval required prior to material procurement)	number (No.)	25.0	540.00	13 500.00
2.4	8.3.1	GENERAL CABLE INSTALLATION				
2.4.1	8.3.2	Plastic warning tape	m	1 857.0	6.00	11 142.00
Total Carried Forward To Summary						330 430.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 3: EXCAVATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.1	SSE	ITEM 3: EXCAVATIONS				
	8.3.2.1	Excavation by hand in all material for trenches, backfilling, compaction and removal of surplus material				
3.1.1	8.3.2.1	0.5 m x 0.75 m deep for service/street light and LV distribution cables	m	1 857.0	100.00	185 700.00
	8.3.2.1	0.5 m x 0.75 m deep for removing the Existing street lighting cables. Removed Cable to be delivered to the City of Cape Storage or depot	m	1 857.0	100.00	185 700.00
	SSC					
3.1.2	8.3.1.2	Pulling 25mm ² x 4C (Al) cable through duct on the bridge	m	100.0	17.00	1 700.00
	SSF					
3.1.3	8.3.2	Delivery of Street lighting poles to City of Cape Town Storage or depot	m	48.0	110.00	5 280.00
3.1.4	8.3.2	Street light pole holes for 7.2m, 11m and 13.5m poles	number (No.)	100.0	485.00	48 500.00
3.1.5	8.3.2	Removal of existing Street light pole.	number (No.)	48.0	275.00	13 200.00
	SSE					
3.2	8.3.2.1	Extra-over for import of clean backfill sand, inclusive of removal of surplus insitu material. Engineer approval required prior to material procurement.	cubic metre (m ³)	465.0	185.00	86 025.00
3.3	8.3.4	Tracing and protection of existing services crossing excavations	number (No.)	1 000.0	165.00	165 000.00
	8.3.5	Tracing and protection of existing services parallel to excavations	m	1 857.0	165.00	306 405.00
3.6	8.3.7	Troxler Test	number (No.)	100.0	165.00	16 500.00
3.7		Welding of Street lighting pole covers According to City of Cape Town Specifications (Galvanising spray for the welded pole cover should be included in pricing). (Engineer approval required prior to material procurement)	number (No.)	48.0	165.00	7 920.00
Total Carried Forward To Summary						1021 930.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 4: STREET AND AREA LIGHTNING

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSF	ITEM 4: STREET AND AREA LIGHTNING (Please note that a COC is to be provided for all street lighting installations and modifications and is deemed included in the rates tendered)				
4.1	8.3.1	Pegging of pole positions	number (No.)	48.0	110.00	5 280.00
4.2	8.3.2	Supply and installation of street light poles				
4.2.1	8.3.2	Supply and installation of street light poles 7,2 m streetlight poles galvanised steel pole - SL 37 to City of Cape Town specification	number (No.)	12.0	4 500.00	54 000.00
4.2.2	8.3.2	Supply and installation of street light poles 13,5 m streetlight poles galvanised steel pole - SL 33 to City of Cape Town specification	number (No.)	36.0	10 500.00	378 000.00
	8.3.5	52W BEKA LEDLUM XP1 (Optic package 5307) unpainted and 10A, Bussmann Type FA subprotection fuse in marked fuseholder (10A) mounted on wooden backboard behind the access. City of Cape Town requires all new luminaires to be fitted with a 7-pin NEMA socket and external sandwich type surge protection,	number (No.)	12.0	4 800.00	57 600.00
4.3.2	8.3.5	113W BEKA LEDLUM XP2 (Optic package 5399) unpainted and 10A, Bussmann Type FA subprotection fuse in marked fuseholder (10A) mounted on wooden backboard behind the access opening in pole. Sticker on luminaire to indicate wattage. 'City of Cape Town requires all new luminaires to be fitted with a 7-pin NEMA socket and external sandwich type surge protection	number (No.)	58.0	5 400.00	313 200.00
4.3.3	8.3.5	85W BEKA LEDLUM XP2 (Optic package 5307) unpainted and 10A, Bussmann Type FA subprotection fuse in marked fuseholder (10A) mounted on wooden backboard behind the access opening in pole. Sticker on luminaire to indicate wattage. 'City of Cape Town requires all new luminaires to be fitted with a 7-pin NEMA socket and external sandwich type surge protection	number (No.)	6.0	5 100.00	30 600.00
	SSF					
4.4	8.3.4.1	Supply and install short side entry luminaire adaptor (SL-36)	number (No.)	8.0	285.00	2 280.00
4.4.1	8.3.4.1	Supply and install double or Back to Back short side entry luminaire adaptor (SL-36)	number (No.)	28.0	395.00	11 060.00
4.4.2	8.3.4.1	Supply and install short side entry luminaire adaptor (SL-52)	number (No.)	12.0	280.00	3 360.00
Total Carried Forward To Summary						855 380.00

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SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 5: EARTHING

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSG	ITEM 5: EARTHING				
5.1	8.3.2.4	Supply, install and connect earth spike to street light, CCTV and 'General Services kiosk (Complete)	number (No.)	2.0	750.00	1 500.00
5.2	8.3.4.1	Earth resistance test (At all end of runs and at minisub)	number (No.)	15.0	540.00	8 100.00
Total Carried Forward To Summary						9 600.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
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SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 6: TRAFFIC LIGHT SUPPLY POINT

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.1	SSC	ITEM 6: TRAFFIC LIGHT SUPPLY POINT				
6.1	8.3.1.2	Supply, lay and test LV cables 600/1000V PVC PVC SWA PVC with SABS 1507 mark. Engineer approval required prior to material procurement.				
6.1,1	8.3.1.2	Between 35mm ² x 4C (Al) and 70mm ² x 4C (Al)	m	250.0	210.00	52 500.00
6.2	8.3.5.1	Supply and installation of Distribution Kiosks, CoCT Approved Steel Metering kiosks 'Kiosks to be 3CR12 Steel as per CoCT Standards. Engineer approval required prior to material procurement.				
6.2.1	8.3.5.1	12-Way kiosk - 3 x 80A 1P curve 1 QF-1(26) DIN rail mounted c.b.s.	number (No.)	1.0	15 100.00	15 100.00
	8.3.5.2	Supply and install 80A 1P curve 1 QF-1(26) DIN rail mounted c.b.s. Inside exsting CoCT-Kiosk. Engineer approval required prior to material procurement.	number (No.)	1.0	600.00	600.00
6.3	8.3.6.6	Termination of LV cable with CCG glands Mechanical Torque shear lugs used for the LV Aluminium cable terminations into the kiosks to conform to IEC61238-1. Engineer approval required prior to material procurement.				
6.3.1	8.3.6.6	Between 35mm ² x 4C (Al) and 70mm ² x 4C (Al)	number (No.)	2.0	850.00	1 700.00
6.4	8.3.1	GENERAL CABLE INSTALLATION				
6.4.1	8.3.2	Plastic warning tape	m	250.0	6.00	1 500.00
	SSE					
6.5	8.3.2.1	EXCAVATIONS: Excavation by hand in all material for trenches, backfilling, compaction and removal of surplus material				
6.5.1	8.3.2.1	0.5 m x 0.75 m deep for service/street light and LV distribution cables	m	250.0	100.00	25 000.00
6.5.2	8.3.2.1	Extra-over for import of clean backfill sand, inclusive of removal of surplus insitu material (Engineer to approve before hand)	cubic metre (m ³)	63.0	185.00	11 655.00
6.5.3	8.3.2.2	Extra-over for excavating for LV and SC cables over existing services	m	250.0	165.00	41 250.00
6.5.4	8.3.4	Tracing and protection of existing services crossing excavations	m	40.0	165.00	6 600.00
6.5.5	8.3.5	Tracing and protection of existing services parallel excavations	m	250.0	165.00	41 250.00
6.6	8.3.6	Reinstate made up surfaces				
Total Carried Forward						197 155.00

CITY OF CAPE TOWN
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SCHEDULE 5: ELECTRICAL STREET LIGHTING

ITEM 6: TRAFFIC LIGHT SUPPLY POINT

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						197 155.00
6.6.1	8.3.6	Paving (Engineer to approve before hand)	square metre (m²)	50.0	410.00	20 500.00
6.6.2	8.3.6	Cutting and Reinstating of Tar (Engineer to approve before hand)	square metre (m²)	50.0	575.00	28 750.00
6.6.3	8.3.6	Removal and Reinststate of lanscaping. (Engineer to approve before hand)	square metre (m²)	50.0	275.00	13 750.00
6.6.4	8.3.7	Troxler Test	number (No.)	7.0	165.00	1 155.00
Total Carried Forward To Summary						261 310.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 5: ELECTRICAL STREET LIGHTING

SECTION	SUMMARY OF SECTIONS DESCRIPTION	AMOUNT
1	ITEM 1: PRELIMINARY AND GENERAL	553 350.00
2	ITEM 2: UNDERGROUND NETWORKS	330 430.00
3	ITEM 3: EXCAVATIONS	1021 930.00
4	ITEM 4: STREET AND AREA LIGHTNING	855 380.00
5	ITEM 5: EARTHING	9 600.00
6	ITEM 6: TRAFFIC LIGHT SUPPLY POINT	261 310.00
Total Carried I Total Carried Forward To Summary Of Schedules		3032 000.00

BILL 1: 5th AVENUE - VOORTREKKER ROAD

Item			Description	Unit	Quantity	Rate	Amount
			BILL 1: 5th AVENUE - VOORTREKKER ROAD				
1	9.3.2		CONTROLLER				
	PS 3.3(a)		Remove existing controller and return to City of Cape Town – Traffic Signal depot for storage. Includes all miscellaneous and sundry items for complete removal.	number (No.)	1.0	550.00	550.00
1.1	PS 3.3(e)		Supply and installation of 18 phase MX Plus, controller, equipped with a licenced Sensys controller, equipped with licensed Sensys CPU, 3G Router, GPS clock card/module, a dual wire antenna and provision, in the form of a glanded PVC pipe, must be made for a comms cable between UPS and controller, concrete plinth commission and testing.	number (No.)	1.0	155 000.00	155 000.00
1.2	PS 1(a)		Supply and install CoCT Traffic Signal Department approved UPS (3.0 KVA Inverter(220VAC) 48 VDC with 3800Wh 36V(Lithium Ion based Battery) complete with UPS cabinet (100% Vandal proof Galvanised Steel Cabinet and Base, Secure 3mm thickness Galvanised Steel) including concrete plinth and testing.	number (No.)	1.0	95 000.00	95 000.00
1.3	9.3.3(b)		Extra over item 1.2 for multi-channel detector units, total number of independent channels required is :4- channel units				
1.4			(i) Quad Detectors	number (No.)	2.0	3 500.00	7 000.00
1.5			(ii) Quad Pedestrian Detectors	number (No.)	2.0	3 300.00	6 600.00
2	9.3.5		VEHICLE DETECTORS				
	9.3.5(b)		Supply and installation of vehicle detector loops				
	PS4.2		Wireless Vehicle Detection System				
2.1			Supply and install wireless magnetometer detector, including plastic shell and epoxy resin	number (No.)	14.0	20 000.00	280 000.00
2.2			Supply and install Digital Radio Antenna	number (No.)	1.0	20 000.00	20 000.00
2.3			Supply and install Install flex solar repeater, including mounting kit	number (No.)	4.0	45 000.00	180 000.00
2.4			Supply and install flex control unit	number (No.)	1.0	70 000.00	70 000.00
2.5			Supply and install outdoor rated UV shielded category 5 ethernet cable from access point to SPP0 and SPP1	metre (m)	20.0	55.00	1 100.00
Total Carried Forward							815 250.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26
SCHEDULE 6: TRAFFIC SIGNALISATION

BILL 1: 5th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						815 250.00
3	PS 2	PEDESTRIAN PUSH BUTTONS				
3.1	PS 2.1	Supply and installation of Audio Tactile Pedestrian Push Button Assembly	number (No.)	12.0	9 540.00	114 480.00
4	9.3.8	SIGNAL FACE MODULES				
4.1	9.3.8(a)	S1 (LED optics), with background screen	number (No.)	14.0	8 000.00	112 000.00
4.2	9.3.8(v)	S11(P) (LED optics), with background screen	number (No.)	12.0	5 500.00	66 000.00
5	9.3.11	POLES				
	PS 5.1	Remove existing poles, with aspects and pedestrian buttons and return to City of Cape Town - Traffic Signal Depot for safe keeping	number (No.)	12.0	500.00	6 000.00
5.2	PS4.2	Supply and install 8m Galvanized mounting pole (for access points and repeaters)	number (No.)	8.0	6 350.00	50 800.00
5.3	PS5.7.1	Extra over item 5.1 for temporary works	number (No.)	2.0	3 500.00	7 000.00
5.4	PS5.7.2	Extra over item 5.1 for temporary works	number (No.)	2.0	3 500.00	7 000.00
6		DISTRIBUTION PILLARS				
6.1	PS3.4(b)	Remove existing distribution pillars return to City of Cape Town - Traffic Signal Depot for safe keeping	number (No.)	4.0	550.00	2 200.00
6.2	9.3.12	Supply and installation of distribution pillars complete with concrete plinth, commission and testing	number (No.)	4.0	4 000.00	16 000.00
	PS3.4(c)	Extra over item 6.1 for temporary works	number (No.)	4.0	3 600.00	14 400.00
7	9.3.13	POWER SUPPLY				
7.1	PS 6.4(c)	Supply cable from power source to controller. 3-core 16mm ²	metre (m)	30.0	175.00	5 250.00
7.2	PS6.4(b)	Extra over item 7.1 for laying cable in trench	metre (m)	20.0	30.00	600.00
7.3	9.3.13(c)	Extra over item 7.1 for laying cable induct (duct scheduled separately)	metre (m)	10.0	35.00	350.00
7.4	9.3.13(d)	Extra over item 7.1 for connecting to controller	Sum	1.0	900.00	900.00
8	9.3.14	37 - CORE CABLE				
Total Carried Forward						1218 230.00

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BILL 1: 5th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1218 230.00
8.1	9.3.14(a)	Signal lamp supply ring-circuit from controller to distribution pillars : PVC insulated, galvanised steel wirearmoured, 37-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable marking tape	metre (m)	146.0	325.00	47 450.00
8.2	PS6.4(b)	Extra over item 8.1 for laying cable in trench	metre (m)	93.0	30.00	2 790.00
8.3	9.3.14(c)	Extra over item 8.1 for laying cable in duct (duct scheduled separately)	metre (m)	53.0	35.00	1 855.00
8.4	9.3.14(d)	Extra over item 8.1 for connecting to controller	number (No.)	1.0	900.00	900.00
9	9.3.15	19 - CORE CABLE				
9.1	PS 6.4(d)	Signal lamp supply cable from distribution pillars to signal lights and pedestrian push buttons: PVC insulated, galvanised steel wire armoured, 19-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable markings	metre (m)	248.0	200.00	49 600.00
9.2	PS6.4(b)	Extra over item 9.1 for laying cable in trench	metre (m)	220.0	22.00	4 840.00
9.3	9.3.15(c)	Extra over item 9.1 for laying cable in duct (duct scheduled separately)	metre (m)	28.0	30.00	840.00
9.4	9.3.15(d)	Extra over item 9.1 for connecting to distribution pillar	number (No.)	8.0	450.00	3 600.00
9.5	9.3.15(e)	Extra over item 9.1 for connecting to distribution pillar	number (No.)	4.0	450.00	1 800.00
9.6	9.3.15(f)	Extra over item 9.1 for connecting to signal head	number (No.)	4.0	300.00	1 200.00
10	PS 6.4.1	8 - PAIR CABLE				
10.1	PS 6.4.1(a)	Supply and installation of MYLAR cable 8 Pair 1mm ² per core. I/O Screened	metre (m)	154.0	200.00	30 800.00
10.2	PS 6.4.1(c)	Extra over item 11.1 for laying cable in trench	metre (m)	98.0	20.00	1 960.00
10.3	PS 6.4.1(d)	Extra over item 10.1 for connecting to detector unit in distribution pillar	metre (m)	56.0	20.00	1 120.00
10.4	PS 6.4.1(e)	Extra over item 11.1 for jointing to detector loop tails at distribution pillar	number (No.)	2.0	300.00	600.00
10.5	PS 6.4.1(f)	Extra over item 11.1 for detector unit at controller	number (No.)	2.0	300.00	600.00
11	PS 6.4.2	BARE COPPER WIRE				
Total Carried Forward						1368 185.00

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BILL 1: 5th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1368 185.00
11.1	PS 6.4.2(a)	Extra over item 8.1 and 9.1 for installation of bare copper earth wire of minimum cross-sectional area 10mm ² to be laid with SWA cables	metre (m)	394.0	30.00	11 820.00
11.2	PS 6.4.2(b)	Extra over item 8.2 and 9.2 for laying cable in trench	metre (m)	313.0	10.00	3 130.00
11.3	PS 6.4.2(c)	Extra over item 8.3 and 9.3 for laying cable in duct	metre (m)	81.0	15.00	1 215.00
11.4	PS 6.4.2(d)	Installation in Pole	number (No.)	10.0	10.00	100.00
11.5	PS 6.4.2(e)	Installation in Controller	number (No.)	1.0	35.00	35.00
11.6	PS 6.4.2(f)	Installation in Stubby	number (No.)	4.0	50.00	200.00
12	9.3.18	EARTHWORKS/ EXCAVATION				
12.1	PS 6.5(a)	Extra-over item 7.2, 8.2, 9.2, 10.2, 11.2 & 12.2 for excavation of trenches and backfill	cubic metre (m ³)	24.0	300.00	7 200.00
12.2	PS 6.5(c)	Extra over item 5 for excavation and backfill	cubic metre (m ³)	12.0	300.00	3 600.00
12.3	PS 6.5(d)	Extra over items 7.3, 8.3, 9.3, 10.3, 11.3and 12.3 for excavating and exposing of cable duct ends and other services.	cubic metre (m ³)	12.0	300.00	3 600.00
13		TESTING AND COMMISIONING				
13.1	PS 7	Testing and commissioning of installation 12 month warranty period	Sum	1.0	3 500.00	3 500.00
14		MAINTENANCE				
14.1	PS 8	Maintenance of installation during 12 month warranty period	Sum	1.0	7 500.00	7 500.00
15		CHANGE IN SIGNAL EQUIPMENT				
15.1	PS 9	a) Allowance for traffic signal equipment changes	prime cost sum (PC Sum)	1.0	150 000.00	150 000.00
15.2		b) Contractor's mark-up on (a)	%	#####	0.00	0.00
Total Carried Forward To Summary						1560 085.00

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BILL 2: 10th AVENUE - VOORTREKKER ROAD

Item			Description	Unit	Quantity	Rate	Amount
			BILL 2: 10th AVENUE - VOORTREKKER ROAD				
1	9.3.2		CONTROLLER				
	PS 3.3(a)		Remove existing controller and return to City of Cape Town – Traffic Signal depot for storage. Includes all miscellaneous and sundry items for complete removal.	number (No.)	1.0	600.00	600.00
1.1	PS 3.3(e)		Supply and installation of 18 phase MX Plus, controller, equipped with a licenced Sensys controller, equipped with licensed Sensys CPU, 3G Router, GPS clock card/module, a dual wire antenna and provision, in the form of a glanded PVC pipe, must be made for a comms cable between UPS and controller, concrete plinth commission and testing.	number (No.)	1.0	155 000.00	155 000.00
1.2	PS 1(a)		Supply and install CoCT Traffic Signal Department approved UPS (3.0 KVA Inverter(220VAC) 48 VDC with 3800Wh 36V(Lithium Ion based Battery) complete with UPS cabinet (100% Vandal proof Galvanised Steel Cabinet and Base, Secure 3mm thickness Galvanised Steel) including concrete plinth and testing.	number (No.)	1.0	95 000.00	95 000.00
1.3	9.3.3(b)		Extra over item 1.2 for multi-channel detector units, total number of independent channels required is :4-channel units				
1.4			(i) Quad Detectors	number (No.)	2.0	3 500.00	7 000.00
1.5			(ii) Quad Pedestrian Detectors	number (No.)	2.0	3 250.00	6 500.00
2	9.3.5		VEHICLE DETECTORS				
	9.3.5(b)		Supply and installation of vehicle detector loops				
	PS4.2		Wireless Vehicle Detection System				
2.1			Supply and install wireless magnetometer detector, including plastic shell and epoxy resin	number (No.)	13.0	18 500.00	240 500.00
2.2			Supply and install Digital Radio Antenna	number (No.)	1.0	19 000.00	19 000.00
2.3			Supply and install Install flex solar repeater, including mounting kit	number (No.)	5.0	44 500.00	222 500.00
2.4			Supply and install flex control unit	number (No.)	1.0	70 000.00	70 000.00
2.5			Supply and install outdoor rated UV shielded category 5 ethernet cable from access point to SPP0 and SPP1	metre (m)	20.0	60.00	1 200.00
Total Carried Forward							817 300.00

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BILL 2: 10th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						817 300.00
3	PS 2	PEDESTRIAN PUSH BUTTONS				
3.1	PS 2.1	Supply and installation of Audio Tactile Pedestrian Push Button Assembly	number (No.)	10.0	10 000.00	100 000.00
4	9.3.8	SIGNAL FACE MODULES				
4.1	9.3.8(a)	S1 (LED optics), with background screen	number (No.)	8.0	8 000.00	64 000.00
4.2	9.3.8(n)	S8 (LED optics), with background screen	number (No.)	3.0	12 500.00	37 500.00
5	9.3.11	POLES				
5.1	PS 5.1	Remove existing poles, with aspects and pedestrian buttons and return to City of Cape Town - Traffic Signal Depot for safe keeping	number (No.)	12.0	500.00	6 000.00
5.2	PS4.2	Supply and install 8m Galvanized mounting pole (for access points and repeaters)	number (No.)	5.0	650.00	3 250.00
5.3	PS5.7.1	Extra over item 5.1 for temporary works	number (No.)	2.0	3 500.00	7 000.00
5.4	PS5.7.2	Extra over item 5.1 for temporary works	number (No.)	2.0	3 500.00	7 000.00
6		DISTRIBUTION PILLARS				
6.1	PS3.4(b)	Remove existing distribution pillars return to City of Cape Town - Traffic Signal Depot for safe keeping	number (No.)	4.0	600.00	2 400.00
6.2	9.3.12	Supply and installation of distribution pillars complete with concrete plinth, commission and testing	number (No.)	4.0	4 000.00	16 000.00
	PS3.4(c)	Extra over item 6.1 for temporary works	number (No.)	4.0	3 750.00	15 000.00
7	9.3.13	POWER SUPPLY				
7.1	PS 6.4(c)	Supply cable from power source to controller. 3-core 16mm ²	metre (m)	30.0	165.00	4 950.00
7.2	PS6.4(b)	Extra over item 7.1 for laying cable in trench	metre (m)	20.0	30.00	600.00
7.3	9.3.13(c)	Extra over item 7.1 for laying cable induct (duct scheduled separately)	metre (m)	10.0	35.00	350.00
7.4	9.3.13(d)	Extra over item 7.1 for connecting to controller	Sum	1.0	900.00	900.00
8	9.3.14	37 - CORE CABLE				
Total Carried Forward						1082 250.00

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BILL 2: 10th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1082 250.00
8.1	9.3.14(a)	Signal lamp supply ring-circuit from controller to distribution pillars : PVC insulated, galvanised steel wirearmoured, 37-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable marking tape	metre (m)	138.0	325.00	44 850.00
8.2	PS6.4(b)	Extra over item 8.1 for laying cable in trench	metre (m)	94.0	30.00	2 820.00
8.3	9.3.14(c)	Extra over item 8.1 for laying cable in duct (duct scheduled separately)	metre (m)	44.0	35.00	1 540.00
8.4	9.3.14(d)	Extra over item 8.1 for connecting to controller	number (No.)	1.0	900.00	900.00
	9.3.15	19 - CORE CABLE				
9.1	PS 6.4(d)	Signal lamp supply cable from distribution pillars to signal lights and pedestrian push buttons: PVC insulated, galvanised steel wire armoured, 19-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable markings	metre (m)	242.0	200.00	48 400.00
9.2	PS6.4(b)	Extra over item 9.1 for laying cable in trench	metre (m)	212.0	25.00	5 300.00
9.3	9.3.15(c)	Extra over item 9.1 for laying cable in duct (duct scheduled separately)	metre (m)	30.0	30.00	900.00
9.4	9.3.15(d)	Extra over item 9.1 for connecting to distribution pillar	number (No.)	8.0	450.00	3 600.00
9.5	9.3.15(e)	Extra over item 9.1 for connecting to distribution pillar	number (No.)	4.0	450.00	1 800.00
9.6	9.3.15(f)	Extra over item 9.1 for connecting to signal head	number (No.)	4.0	330.00	1 320.00
	PS 6.4.1	8 - PAIR CABLE				
10.1	PS 6.4.1(a)	Supply and installation of MYLAR cable 8 Pair 1mm ² per core. I/O Screened	metre (m)	129.0	160.00	20 640.00
10.2	PS 6.4.1(c)	Extra over item 11.1 for laying cable in trench	metre (m)	86.0	25.00	2 150.00
10.3	PS 6.4.1(d)	Extra over item 10.1 for connecting to detector unit in distribution pillar	metre (m)	43.0	25.00	1 075.00
10.3	PS 6.4.1(e)	Extra over item 11.1 for jointing to detector loop tails at distribution pillar	number (No.)	2.0	300.00	600.00
10.4	PS 6.4.1(f)	Extra over item 11.1 for detector unit at controller	number (No.)	2.0	300.00	600.00
11	PS 6.4.2	BARE COPPER WIRE				
Total Carried Forward						1218 745.00

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BILL 2: 10th AVENUE - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1218 745.00
11.1	PS 6.4.2(a)	Extra over item 8.1 and 9.1 for installation of bare copper earth wire of minimum cross-sectional area 10mm ² to be laid with SWA cables	metre (m)	380.0	35.00	13 300.00
11.2	PS 6.4.2(b)	Extra over item 8.2 and 9.2 for laying cable in trench	metre (m)	306.0	10.00	3 060.00
11.3	PS 6.4.2(c)	Extra over item 8.3 and 9.3 for laying cable in duct	metre (m)	74.0	15.00	1 110.00
11.4	PS 6.4.2(d)	Installation in Pole	number (No.)	10.0	10.00	100.00
11.5	PS 6.4.2(e)	Installation in Controller	number (No.)	1.0	35.00	35.00
11.6	PS 6.4.2(f)	Installation in Stubby	number (No.)	4.0	50.00	200.00
12	9.3.18	EARTHWORKS/ EXCAVATION				
12.1	PS 6.5(a)	Extra-over item 7.2, 8.2, 9.2, 10.2, 11.2 & 12.2 for excavation of trenches and backfill	cubic metre (m ³)	25.0	300.00	7 500.00
12.2	PS 6.5(c)	Extra over item 5 for excavation and backfill	cubic metre (m ³)	12.0	300.00	3 600.00
12.3	PS 6.5(d)	Extra over items 7.3, 8.3, 9.3, 10.3, 11.3and 12.3 for excavating and exposing of cable duct ends and other services.	cubic metre (m ³)	10.0	300.00	3 000.00
13		TESTING AND COMMISSIONING				
13.1	PS 7	Testing and commissioning of installation 12 month warranty period	Sum	1.0	3 500.00	3 500.00
14		MAINTENANCE				
14.1	PS 8	Maintenance of installation during 12 month warranty period	Sum	1.0	7 500.00	7 500.00
15		CHANGE IN SIGNAL EQUIPMENT				
15.1	PS 9	a) Allowance for traffic signal equipment changes	prime cost sum (PC Sum)	1.0	150 000.00	150 000.00
15.2		b) Contractor's mark-up on (a)	%	#####	0.00	0.00
Total Carried Forward To Summary						1411 650.00

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BILL 3: 12th AVENUE & CREMATORIUM ROAD - VOORTREKKER ROAD

Item			Description	Unit	Quantity	Rate	Amount
			BILL 3: 12th AVENUE & CREMATORIUM ROAD - VOORTREKKER ROAD				
1	9.3.2		CONTROLLER				
1.1	PS 3.3(e)		Supply and installation of 24 phase MX Plus,controller,equipped with a licenced Sensys controller, equiped with licensed Sensys CPU, 3G Router, GPS clock card/module, a dual wire antenna and provision, in the form of a glanded PVC pipe, must be made for a comms cable between UPS and controller, concrete plinth commission and testing.	number (No.)	1.0	195 000.00	195 000.00
1.3	PS 1(a)		Supply and install CoCT Traffic Signal Department approved UPS (3.0 KVA Inverter(220VAC) 48 VDC with 3800Wh 36V(Lithium Ion based Battery) complete with UPS cabinet (100% Vandal proof Galvanised Steel Cabinet and Base, Secure 3mm thickness Galvanised Steel) including concrete plinth and testing.	number (No.)	1.0	95 000.00	95 000.00
2	9.3.5		VEHICLE DETECTORS				
	9.3.5(b)		Supply and installation of vehicle detector loops				
	PS4.2		Wireless Vehicle Detection System				
2.1			Supply and install wireless magnetometer detector, including plastic shell and epoxy resin	number (No.)	20.0	20 000.00	400 000.00
2.2			Supply and install Digital Radio Antenna	number (No.)	1.0	20 000.00	20 000.00
2.3			Supply and Install flex solar repeater, including mounting kit	number (No.)	8.0	45 000.00	360 000.00
2.4			Supply and install flex control unit	number (No.)	1.0	70 000.00	70 000.00
2.5			Supply and install outdoor rated UV shielded category 5 ethernet cable from access point to SPP0 and SPP1	metre (m)	20.0	60.00	1 200.00
3	PS 2		PEDESTRIAN PUSH BUTTONS				
3.1	PS 2.1		Supply and installation of Audio Tactile Pedestrian Push Button Assembly	number (No.)	12.0	9 750.00	117 000.00
4	9.3.8		SIGNAL FACE MODULES				
4.1	9.3.8(a)		S1 (LED optics), with background screen	number (No.)	16.0	8 000.00	128 000.00
4.2	9.3.8(n)		S8 (LED optics), with background screen	number (No.)	6.0	12 500.00	75 000.00
Total Carried Forward							1461 200.00

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BILL 3: 12th AVENUE & CREMATORIUM ROAD - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1461 200.00
4.3	9.3.8(v)	S11(P) (LED optics), with background screen	number (No.)	12.0	5 500.00	66 000.00
5	9.3.11	POLES				
5.1	PS 5.1	Remove existing poles, with aspects and pedestrian buttons and return to City of Cape Town - Traffic Signal Depot for safe keeping	number (No.)	22.0	500.00	11 000.00
5.2	9.3.11(a)	Supply and installation of poles, standard length not exceeding 4m	number (No.)	12.0	4 750.00	57 000.00
5.3	PS5.8	Supply and install 8m Galvanized mounting pole (for access points and repeaters)	number (No.)	5.0	6 500.00	32 500.00
6		DISTRIBUTION PILLARS				
6.1	9.3.12	Supply and installation of distribution pillars complete with concrete plinth, commission and testing	number (No.)	8.0	4 000.00	32 000.00
7	9.3.14	37 - CORE CABLE				
7.1	9.3.14(a)	Signal lamp supply ring-circuit from controller to distribution pillars : PVC insulated, galvanised steel wire armoured, 37-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable marking tape	metre (m)	266.0	325.00	86 450.00
7.2	PS6.4(b)	Extra over item 8.1 for laying cable in trench	metre (m)	215.0	30.00	6 450.00
7.3	9.3.14(c)	Extra over item 8.1 for laying cable in duct (duct scheduled separately)	metre (m)	51.0	35.00	1 785.00
7.4	9.3.14(d)	Extra over item 8.1 for connecting to controller	number (No.)	2.0	900.00	1 800.00
8	9.3.15	19 - CORE CABLE				
8.1	PS 6.4(d)	Signal lamp supply cable from distribution pillars to signal lights and pedestrian push buttons: PVC insulated, galvanised steel wire armoured, 19-core cable minimum cross-sectional area 1,5mm ² as specified in clause 7.2.3 and complete with cable markings	metre (m)	353.0	180.00	63 540.00
8.2	PS6.4(b)	Extra over item 9.1 for laying cable in trench	metre (m)	310.0	25.00	7 750.00
8.3	9.3.15(c)	Extra over item 9.1 for laying cable in duct (duct scheduled separately)	metre (m)	43.0	30.00	1 290.00
8.4	9.3.15(d)	Extra over item 9.1 for connecting to distribution pillar	number (No.)	8.0	500.00	4 000.00
8.5	9.3.15(e)	Extra over item 9.1 for connecting to signal head	number (No.)	34.0	500.00	17 000.00
Total Carried Forward						1849 765.00

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BILL 3: 12th AVENUE & CREMATORIUM ROAD - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1849 765.00
8.6	9.3.15(f)	Extra over item 9.1 for connecting to pedestrian push button	number (No.)	12.0	300.00	3 600.00
9	PS 6.4.1	8 - PAIR CABLE				
9.1	PS 6.4.1(a)	Supply and installation of MYLAR cable 8 Pair 1mm ² per core. I/O Screened	metre (m)	372.0	160.00	59 520.00
9.2	PS 6.4.1(c)	Extra over item 11.1 for laying cable in trench	metre (m)	284.0	25.00	7 100.00
9.3	PS 6.4.1(d)	Extra over item 11.1 for laying cable in duct (duct scheduled separately)	metre (m)	88.0	30.00	2 640.00
9.4	PS 6.4.1(e)	Extra over item 11.1 for jointing to detector loop tails at distribution pillar	number (No.)	2.0	300.00	600.00
9.5	PS 6.4.1(f)	Extra over item 11.1 for connecting to detector unit at controller	number (No.)	2.0	300.00	600.00
10	PS 6.4.2	BARE COPPER WIRE				
10.1	PS 6.4.2(a)	Extra over item 8.1 and 9.1 for installation of bare copper earth wire of minimum cross-sectional area 10mm ² to be laid with SWA cables	metre (m)	619.0	30.00	18 570.00
10.2	PS 6.4.2(b)	Extra over item 8.2 and 9.2 for laying cable in trench	metre (m)	525.0	10.00	5 250.00
10.3	PS 6.4.2(c)	Extra over item 8.3 and 9.3 for laying cable in duct	metre (m)	94.0	15.00	1 410.00
10.4	PS 6.4.2(d)	Installation in Pole	number (No.)	12.0	10.00	120.00
10.5	PS 6.4.2(e)	Installation in Controller	number (No.)	2.0	35.00	70.00
10.6	PS 6.4.2(f)	Installation in Stubby	number (No.)	8.0	50.00	400.00
11	9.3.18	EARTHWORKS/ EXCAVATION				
11.1	PS 6.5(a)	Extra-over item 7.2, 8.2, 9.2, 10.2, 11.2 & 12.2 for excavation of trenches and backfill	cubic metre (m ³)	55.0	300.00	16 500.00
11.2	PS 6.5(c)	Extra over item 5 for excavation and backfill	cubic metre (m ³)	22.0	300.00	6 600.00
11.3	PS 6.5(d)	Extra over items 7.3, 8.3, 9.3, 10.3, 11.3and 12.3 for excavating and exposing of cable duct ends and other services.	cubic metre (m ³)	18.0	300.00	5 400.00
12		TESTING AND COMMISIONING				
Total Carried Forward						1978 145.00

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SCHEDULE 6: TRAFFIC SIGNALISATION

BILL 3: 12th AVENUE & CREMATORIUM ROAD - VOORTREKKER ROAD

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						1978 145.00
12.1	PS 7	Testing and commissioning of installation 12 month warranty period	Sum	1.0	3 500.00	3 500.00
13		MAINTENANCE				
13.1	PS 8	Maintenance of installation during 12 month warranty period	Sum	1.0	7 500.00	7 500.00
14		CHANGE IN SIGNAL EQUIPMENT				
14.1	PS 9	a) Allowance for traffic signal equipment changes	prime cost sum (PC Sum)	1.0	200 000.00	200 000.00
14.2		b) Contractor's mark-up on (a)	%	#####	0.00	0.00
Total Carried Forward To Summary						2189 145.00

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SCHEDULE 6: TRAFFIC SIGNALISATION

SUMMARY OF SECTIONS		
Secti	Description	Amount
1	BILL 1: 5th AVENUE - VOORTREKKER ROAD	1560 085.00
2	BILL 2: 10th AVENUE - VOORTREKKER ROAD	1411 650.00
3	BILL 3: 12th AVENUE & CREMATORIUM ROAD -	2189 145.00
Total Carried Forward To Summary Of Schedules		5160 880.00

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C1.6: CLEARING AND GRUBBING

Item				Description	Unit	Quantity	Rate	Amount
C1.6				CLEARING AND GRUBBING				
C1.6.1				Clearing				
	C1.6.1.1			Clearing with machines and some hand labour where necessary	hectare (ha)	3.0	28 500.00	85 500.00
C1.6.3				Removal and grubbing of large trees and tree stumps:				
	C1.6.3.1			Girth equal to or exceeding 1,0m up to and including 2,0m	number (No.)	20.0	3 750.00	75 000.00
C1.6.8				Conservation of vegetation:				
	C1.6.8.1			Removal, storage, and maintenance of trees, girth up to and including 1,0m	number (No.)	8.0	5 500.00	44 000.00
	C1.6.8.1			Removal, storage, and maintenance of trees, girth equal to or exceeding 1,0m up to and including 2,0m	number (No.)	12.0	12 500.00	150 000.00
Total Carried Forward To Summary								354 500.00

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C2.1: GENERAL REQUIREMENTS AND TRENCHING FOR SERVICES

Item				Description	Unit	Quantity	Rate	Amount
C2.1				GENERAL REQUIREMENTS AND TRENCHING FOR SERVICES				
C2.1.2				Existing services location, detection, and verification				
	PC2.1.2.6			Extra over item C2.1.2.3 for Survey to verify existing service positions	prime cost sum (PC Sum)	1.0	50 000.00	50 000
	PC2.1.2.7			Handling costs and profit in respect of item C2.1.2.6 above	%	50 000.00	5.00	2 500.00
Total Carried Forward To Summary								52 500.00

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C3.2: CULVERTS

Item				Description	Unit	Quantity	Rate	Amount
C3.2				CULVERTS				
C.3.2.16	PC3.2.16.4			Brickwork (Engineering bricks): 460mm thick, 460x460mm (average) dimensioned brickwork to suit existing brickwork architecture including 32x800x1.2mm galvanized hoop iron straps at 500mm c/c, solid clay brick, 21MPa, at:				
		(a)		Wall Type 3 with coping	square metre (m ²)	80.0	1 470.00	117 600.00
		(b)		Wall Type 5 with coping	square metre (m ²)	110.0	1 470.00	161 700.00
PC3.2.17				Plaster (provided plaster to suit existing plaster architecture)				
	C3.2.17.1			At Wall Type 3 with coping	square metre (m ²)	180.0	150.00	27 000.00
	C3.2.17.1			At Wall Type 4 coping	square metre (m ²)	960.0	150.00	144 000.00
	C3.2.17.2			At Wall Type 5 with coping	square metre (m ²)	245.0	150.00	36 750.00
Total Carried Forward To Summary								487 050.00

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C11.1: PITCHING, STONework, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION

Item				Description	Unit	Quantity	Rate	Amount
C11.1				PITCHING, STONEMASONRY, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION				
C11.1.4				Stone masonry walls:				
	PC11.1.4.2			Cement-mortared stone walls, for Wall Type 3 and 4, including the use of 25x280x2.5mm thick galvanized heavy duty wall ties for joining new RC walls to stone walls where required (Rate to include the careful breakdown of the existing sandstone cemetery wall, stockpile and reuse/reconstruct into the works as specified on drawings, including all haulage, transport, security and other labour, plant, material and fuel costs, including restrictive works)	cubic metre (m³)	900.0	1 750.00	1575 000.00
	C11.1.4.3			Extra over items C11.1.4.2 for procuring stone from commercial sources	cubic metre (m³)	150.0	1 000.00	150 000.00
Total Carried Forward To Summary								1725 000.00

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C11.5: FENCING

[illegible]

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C11.5: FENCING

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						545 725.00
C11.5.5.3		Pedestrian fence	kilometre (km)	0.25	500 000.00	125 000.00
C11.5.5.5		Temporary gates				
	(a)	Pedestrian gate	number (No.)	4.00	7 500.00	30 000.00
	(b)	Vehicular gate	number (No.)	4.00	35 000.00	140 000.00
Total Carried Forward To Summary						840 725.00

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C13.1: FOUNDATIONS

Item				Description	Unit	Quantity	Rate	Amount
C13.1				FOUNDATIONS				
C13.1.1				Provision of designs and drawings of temporary works by an ECSA-registered Professional Engineer or Technologist or Geotechnical Engineer for the lateral support required for excavation for Wall 1	lump sum	1.00	35 000.00	35 000.00
C13.1.2				Additional foundation investigations:				
	C13.1.2.1			Provisional sum allowed for additional foundation investigations for Cemetery Walls	provisional sum (Prov. Sum)	1.00	50 000.00	50 000.00
	C13.1.2.2			Handling costs and profit in respect of item C13.1.2.1	%	50 000.00	5.00	2 500.00
3.1.3				Excavation:				
	C13.1.3.1			Excavating soft material situated within the following successive depth ranges:				
		(a)		0m up to 1,5m	cubic metre (m³)	3 000.00	85.00	255 000.00
		(b)		>1.5m and <3.0m	cubic metre (m³)	150.00	185.00	27 750.00
	C13.1.3.2			Extra over subitem C13.1.3.1 for excavation in hard material irrespective of depth	cubic metre (m³)	300.00	50.00	15 000.00
	C13.1.3.3			Extra over subitem C13.1.3.1 for additional excavation required by the Engineer after excavation is complete	cubic metre (m³)	300.00	100.00	30 000.00
	C13.1.3.4			Extra over subitem C13.1.3.1 for excavation by hand	cubic metre (m³)	300.00	300.00	90 000.00
	C13.1.3.5			Extra over subitem C13.1.3.1 for excavation in restricted areas	cubic metre (m³)	300.00	100.00	30 000.00
C13.1.6				Access and drainage:				
	PC13.1.6.3			Access (Excavations in vicinity of high groundwater table as per Geotechnical investigation - working below groundwater level expected)	lump sum	1.00	1 500.00	1 500.00
	PC13.1.6.4			Drainage (Excavations in vicinity of high groundwater table as per Geotechnical investigation - working below groundwater level expected)	lump sum	1.00	1 500.00	1 500.00
C13.1.7				Backfill to excavations utilising:				
	C13.1.7.1			Material from excavation	cubic metre (m³)	2 350.00	150.00	352 500.00
Total Carried Forward								890 750.00

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C13.1: FOUNDATIONS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						890 750.00
C13.1.9		Fill within a restricted area (extra over item C5.2.2)	cubic metre (m³)	235.00	100.00	23 500.00
C13.1.10		Haul in excess of 1,0 km on excavated material and on material imported for backfill, foundation fill and fill for caissons	cubic metre (m³)	7 000.00	6.50	45 500.00
C13.1.12		Overbreak in excavation in hard material	cubic metre (m³)	300.00	150.00	45 000.00
C13.1.14		Foundation fill consisting of:				
	C13.1.14.4	Mass concrete (C16/20-20) to:				
	(a)	Wall Type 1 & 2 Mass Concrete Footings	cubic metre (m³)	16.00	2 860.00	45 760.00
	C13.1.14.5	Concrete blinding (C16/20-20) to:				
	(a)	Footings (50mm thick) (Wall Type 3, 4, 5, and 6)	cubic metre (m³)	95.00	2 860.00	271 700.00
	(b)	Perforated drainage pipe footing (75mm thick) as per Wall Drainage Detail	cubic metre (m³)	12.00	2 860.00	34 320.00
Total Carried Forward To Summary						1356 530.00

C13.2: FALSEWORK, FORMWORK AND CONCRETE FINISH

Item				Description	Unit	Quantity	Rate	Amount
C13.2				FALSEWORK, FORMWORK AND CONCRETE FINISH				
C13.2.2				Vertical formwork to provide F1 surface finish to:				
	C13.2.2.1			Cemetery RC wall footings (Wall Type 3, 4, 5, & 6)	square metre (m²)	465.0	475.00	220 875.00
	C13.2.2.2			Cemetery RC wall (Wall Type 3, 4, and 6)	square metre (m²)	1 775.0	540.00	958 500.00
C13.2.10				Provision of designs and drawings of falsework and formwork by an ECSA registered Professional Engineer or Technologist for all formwork	lump sum	1.0	15 000.00	15 000.00
Total Carried Forward To Summary								1194 375.00

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C13.3: STEEL REINFORCEMENT

Item				Description	Unit	Quantity	Rate	Amount
C13.3				STEEL REINFORCEMENT				
C13.3.1				Reinforcement for:				
	C13.3.1.1			Wall Type 3, Strip footings & Wall				
		(a)		Mild-steel bars	ton (t)	0.5	18 000.00	9 000.00
		(b)		High-yield-stress-steel bars (450 MPa)	ton (t)	5.00	18 000.00	90 000.00
	C13.3.1.2			Wall Type 4, Strip footings & Wall				
		(a)		Mild-steel bars	ton (t)	7.50	18 000.00	135 000.00
		(b)		High-yield-stress-steel bars (450 MPa)	ton (t)	75.00	18 000.00	1350 000.00
	C13.3.1.3			Wall Type 5, Pad footings				
		(a)		Mild-steel bars	ton (t)	0.40	18 000.00	7 200.00
		(b)		High-yield-stress-steel bars (450 MPa)	ton (t)	4.00	18 000.00	72 000.00
	C13.3.1.4			Wall Type 6, Strip footings & Wall				
		(a)		Mild-steel bars	ton (t)	0.60	18 000.00	10 800.00
		(b)		High-yield-stress-steel bars (450 MPa)	ton (t)	5.50	18 000.00	99 000.00
C13.3.4				Extra-over item C13.3.1.1 (a), (b), C13.3.1.2 (a), (b) for galvanising of reinforcement	ton (t)	89.50	20 500.00	1834 750.00
Total Carried Forward To Summary								3607 750.00

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C13.4: CONCRETE

Item				Description	Unit	Quantity	Rate	Amount
C13.4				CONCRETE				
C13.4.1				Cast in situ concrete:				
	C13.4.1.1			Strength concrete (class C):				
		(a)		Wall Type 3, Strip footings & Wall C30/35-20	cubic metre (m³)	30.00	2 600.00	78 000.00
		(b)		Wall Type 4, Strip footings & Wall C30/35-20	cubic metre (m³)	600.00	2 435.00	1461 000.00
		(c)		Wall Type 5, Pad footings C30/35-20	cubic metre (m³)	30.00	2 600.00	78 000.00
		(d)		Wall Type 6, Strip footings & Wall C30/35-20	cubic metre (m³)	45.00	2 600.00	117 000.00
C13.4.3				Extra over item C13.4.1 for the protection of concrete from adverse environmental conditions, if required:				
	C13.4.3.1			Strength concrete (class C):				
		(a)		Wall Type 3, Strip footings C30/35-20	cubic metre (m³)	15.00	155.00	2 325.00
		(b)		Wall Type 4, Strip footings C30/35-20	cubic metre (m³)	240.00	155.00	37 200.00
		(c)		Wall Type 5, Pad footings C30/35-20	cubic metre (m³)	30.00	155.00	4 650.00
		(d)		Wall Type 6, Strip footings & Wall C30/35-20	cubic metre (m³)	45.00	155.00	6 975.00
C13.4.5				Curing and surface protection of cast in situ concrete, as and where specifically required:				
	C13.4.5.1			Wall Type 4 (wall only) (Tenderer to specify method of curing)	square metre (m²)	3 300.00	25.00	82 500.00
C13.4.14				Controlled demolition of concrete from structural elements:				
	C13.4.14.1			Existing concrete base (footings) encasing existing fence/wall posts/piers (Wall Type 1 & 2 & 6)	cubic metre (m³)	36.00	850.00	30 600.00
	C13.4.14.2			Existing concrete strip footing (existing stone wall strip footing aprox. 1.1m wide)	cubic metre (m³)	330.00	650.00	214 500.00
PC13.4.15				Complete demolition and disposal of existing brickwork elements or parts existing structures:				
Total Carried Forward								2112 750.00

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C13.4: CONCRETE

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						2112 750.00
	(a)	Existing brick piers and brickwork at Wall Type 3, retain existing coping elements (top of pier and continuous low wall coping) and reinstate/restore for new Wall Type 3	cubic metre (m³)	41.00	425.00	17 425.00
	(b)	Existing stone Wall Type 4, retain and refurbish/remove existing mortar for existing stone to rebuild Wall Type 4	cubic metre (m³)	720.00	400.00	288 000.00
	(c)	Existing piers at Wall Type 5	cubic metre (m³)	60.00	400.00	24 000.00
Total Carried Forward To Summary						2442 175.00

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C13.7: JOINTS

Item				Description	Unit	Quantity	Rate	Amount
C13.7				JOINTS				
C13.7.2				Filled joints:				
	C13.7.2.2	(a)		10mm wide formed joint using compressable joint former between pier and lower wall in Wall Type 3	square metre (m²)	20.00	350.00	7 000.00
		(b)		20mm wide formed joint using compressable joint former at 30m c/c in Wall Type 4	square metre (m²)	20.00	350.00	7 000.00
		(c)		20mm wide formed joint using compressable joint former at 30m c/c in reinforced concrete Wall Type 3, 4, and 6	square metre (m²)	30.00	350.00	10 500.00
C13.7.4				Sealing joints with:				
	C13.7.4.1			Sealant (silicone pavement sealant, or equivalent) with backing cord for:				
		(a)		10mm wide formed joint between pier and lower wall in Wall Type 3	metre (m)	80.00	150.00	12 000.00
		(b)		20mm wide formed joint at 30m c/c in Wall Type 4	metre (m)	185.00	185.00	34 225.00
C13.7.8				Additional water tests for joints ordered by the Engineer	number (No.)	4.00	1 500.00	6 000.00
Total Carried Forward To Summary								76 725.00

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C13.8: ANCILLARY STRUCTURAL ELEMENTS

Item				Description	Unit	Quantity	Rate	Amount
C13.8				ANCILLARY STRUCTURAL ELEMENTS				
C13.8.10				Drainage pipes and weep holes:				
	C13.8.10.2			Weep holes:				
		(a)		uPVC pipe, (75mm diameter) along length of wall for retained wall heights >1m (Wall Type 3, 4, and 6)	metre (m)	90.00	100.00	9 000.00
C13.8.12				Synthetic-fibre filter fabric (Grade B Bidim filter blanket wrapped around 'no fines' block bonded to wall using bituminous adhesive)	square metre (m ²)	975.00	20.50	19 987.50
C13.8.15				Drainage strips - HDPE 200 mm wide DN3 behind retaining wall sections of Wall Type 3, 4, and 6	metre (m)	1 370.00	40.00	54 800.00
C13.8.16				Perforated drainage pipes:				
	C13.8.16.1			Perforated drainage pipes, 65 mm dia, wrapped in Grade B synthetic fibre filter fabric (Wall Type 3, 4, and 6)	metre (m)	480.00	35.00	16 800.00
Total Carried Forward To Summary								100 587.50

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C13.10: PAINTING OF MINOR STRUCTURES

Item				Description	Unit	Quantity	Rate	Amount
C13.10				PAINTING OF MINOR STRUCTURES				
C13.10.1				Painting:				
	C13.10.1.1			Wall type:				
		(i)		Wall Type 3 plastered piers and stub wall (including coping if required)	square metre (m ²)	95.0	135.00	12 825.00
		(ii)		Wall Type 4 plastered wall coping	square metre (m ²)	1 035.0	135.00	139 725.00
		(iii)		Wall Type 5 plastered piers and coping	square metre (m ²)	330.0	150.00	49 500.00
Total Carried Forward To Summary								202 050.00

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C14.3: DEMOLITION AND REMOVAL OF STRUCTURAL CONCRETE AND STEELWORK

Item				Description	Unit	Quantity	Rate	Amount
C14.3				DEMOLITION AND REMOVAL OF STRUCTURAL CONCRETE AND STEELWORK				
C14.3.5				Removal of metal sections embedded in concrete				
	(a)			Wall type 1: steel posts to existing fence to be removed from concrete foundation)	number (No.)	36.00	95.00	3 420.00
	(b)			Wall type 6: steel posts to existing fence to be removed from concrete foundation)	number (No.)	17.00	175.00	2 975.00
Total Carried Forward To Summary								6 395.00

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C14.7: DEMOLITION AND REMOVAL OF STRUCTURAL ONCRETE AND STEELWORK

Item				Description	Unit	Quantity	Rate	Amount
C14.7				PROTECTIVE COATINGS AND TREATMENTS FOR CONCRETE				
C14.7.2				Application of protective coatings and treatments for the exposed concrete faces of Wall Type 6 (Hydrophobic impregnants 250g/m ²)	square metre (m ²)	30.00	295.00	8 850.00
C14.7.3				On site monitoring and supply of written product performance guarantee	lump sum	1.00	2 500.00	2 500.00
C14.7.4				Trial sample panels	square metre (m ²)	2.50	500.00	1 250.00
Total Carried Forward To Summary								12 600.00

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C14.11: REPAIR OF STEEL ELEMENTS

Item				Description	Unit	Quantity	Rate	Amount
C14.11				REPAIR OF STEEL ELEMENTS				
C14.11.1				Refurbishment of:				
		(a)		Wall type 1 panel	number (No.)	35.0	750.00	26 250.00
		(b)		Wall type 3 (all existing steel frame panels)	number (No.)	14.0	700.00	9 800.00
		(c)		Wall type 5 panel	number (No.)	77.0	750.00	57 750.00
Total Carried Forward To Summary								93 800.00

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SUMMARY OF SECTIONS		Amount
Section	Description	
C1.6	C1.6: CLEARING AND GRUBBING	354 500.00
C2.1	C2.1: GENERAL REQUIREMENTS AND	52 500.00
C3.2	C3.2: CULVERTS	487 050.00
C11.1	C11.1: PITCHING, STONEMWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST	1725 000.00
C11.5	C11.5: FENCING	840 725.00
C13.1	C13.1: FOUNDATIONS	1356 530.00
C13.2	C13.2: FALSEWORK, FORMWORK AND	1194 375.00
C13.3	C13.3: STEEL REINFORCEMENT	3607 750.00
C13.4	C13.4: CONCRETE	2442 175.00
C13.7	C13.7: JOINTS	76 725.00
C13.8	C13.8: ANCILLARY STRUCTURAL ELEMENTS	100 587.50
C13.1	C13.10: PAINTING OF MINOR STRUCTURES	202 050.00
C14.3	C14.3: DEMOLITION AND REMOVAL OF STRUCTURAL CONCRETE AND STEELWORK	6 395.00
C14.7	C14.7: DEMOLITION AND REMOVAL OF STRUCTURAL ONCRETE AND STEELWORK	12 600.00
C14.1	C14.11: REPAIR OF STEEL ELEMENTS	93 800.00
Total Carried Forward To Summary Of Schedules		<u>12552 762.50</u>

**CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO.72Q/2025/26
SCHEDULE 8: WATER BOX CHAMBERS**

C13.1: FOUNDATIONS

Item				Description	Unit	Quantity	Rate	Amount
C13.1				FOUNDATIONS				
C13.1.1				Provision of designs and drawings of temporary works by an ECSA-registered Professional Engineer or Technologist or Geotechnical Engineer for all box chambers	lump sum	1.00	15 000.00	15 000.00
C13.1.2				Additional foundation investigations:				
	C13.1.2.1			Provisional sum allowed for additional foundation investigations	provisional sum (Prov. Sum)	1.00	50 000.00	50 000
	C13.1.2.2			Handling costs and profit in respect of item C13.1.2.1	%	50 000.00	5.00	2 500.00
1.3				Excavation:				
	C13.1.3.1			Excavating soft material situated within the following successive depth ranges:				
		(a)		0m up to 1,5m	cubic metre (m³)	705.00	250.00	176 250.00
		(b)		> 1,5m and < 3,0m	cubic metre (m³)	350.00	250.00	87 500.00
		(c)		> 3,0 and < 4,5m	cubic metre (m³)	15.00	300.00	4 500.00
	C13.1.3.2			Extra over subitem C13.1.3.1 for excavation in hard material irrespective of depth	cubic metre (m³)	70.00	50.00	3 500.00
	C13.1.3.3			Extra over subitem C13.1.3.1 for additional excavation required by the Engineer after excavation is complete	cubic metre (m³)	70.00	100.00	7 000.00
	C13.1.3.4			Extra over subitem C13.1.3.1 for excavation by hand	cubic metre (m³)	60.00	15.00	900.00
	C13.1.3.5			Extra over subitem C13.1.3.1 for excavation in restricted areas	cubic metre (m³)	70.00	100.00	7 000.00
C13.1.6				Access and drainage:				
	PC13.1.6.3			Access (Excavations in vicinity of high groundwater table as per Geotechnical investigation - working below groundwater level expected)	lump sum	1.00	1 500.00	1 500.00
	PC13.1.6.4			Drainage (Excavations in vicinity of high groundwater table as per Geotechnical investigation - working below groundwater level expected)	lump sum	1.00	1 500.00	1 500.00
C13.1.7				Backfill to excavations utilising:				
Total Carried Forward								357 150.00

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SCHEDULE 8: WATER BOX CHAMBERS**

C13.1: FOUNDATIONS

Item		Description	Unit	Quantity	Rate	Amount
Brought Forward						357 150.00
	C13.1.7.1					
		Material from excavation	cubic metre (m³)	925.00	125.00	115 625.00
C13.1.9		Fill within a restricted area (extra over item C5.2.2)	cubic metre (m³)	60.00	250.00	15 000.00
C13.1.10		Haul in excess of 1,0 km on excavated material and on material imported for backfill, foundation fill and fill for caissons	cubic metre (m³)	2 000.00	6.50	13 000.00
C13.1.12		Overbreak in excavation in hard material	square metre (m²)	100.00	25.00	2 500.00
C13.1.14		Foundation fill consisting of:				
	C13.1.14.5	Concrete blinding, 75mm thick, C15/12-20	cubic metre (m³)	10.00	2 600.00	26 000.00
Total Carried Forward To Summary						529 275.00

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C13.2: FALSEWORK, FORMWORK AND CONCRETE FINISH

Item				Description	Unit	Quantity	Rate	Amount
C13.2				FALSEWORK, FORMWORK AND CONCRETE FINISH				
C13.2.2				Vertical formwork to provide				
	C13.2.2.1			Class F1 surface finish to:				
				(a) Box chamber walls and cover slab	square metre (m ²)	370.00	585.00	216 450.00
				(b) Box chamber bases	square metre (m ²)	40.00	650.00	26 000.00
C13.2.3				Horizontal formwork to provide				
	C13.2.3.1			Class F1 surface finish to:				
				(a) Box chamber cover slab soffit	square metre (m ²)	65.00	985.00	64 025.00
C13.2.4				Inclined formwork to provide				
	C13.2.4.1			Class F1 surface finish to:				
				(a) Box chamber bases	square metre (m ²)	5.00	1 100.00	5 500.00
C13.2.10				Provision of designs and drawings of falsework and formwork by an ECSA registered Professional Engineer or Technologist for all box chambers	lump sum	1.00	15 000.00	15 000.00
Total Carried Forward To Summary								326 975.00

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C13.3: STEEL REINFORCEMENT

Item				Description	Unit	Quantity	Rate	Amount
C13.3				STEEL REINFORCEMENT				
C13.3.1				Reinforcement for:				
	C13.3.1.1			Box Chamber RC base				
		(a)		Mild-steel bars	ton (t)	0.50	18 000.00	9 000.00
		(b)		High-yield-stress-steel bars (Hot rolled 450MPa)	ton (t)	5.00	18 000.00	90 000.00
	C13.3.1.2			Box Chamber RC walls				
		(a)		Mild-steel bars	ton (t)	1.10	18 000.00	19 800.00
		(b)		High-yield-stress-steel bars (Hot rolled 450MPa)	ton (t)	11.00	18 000.00	198 000.00
	C13.3.1.3			Box Chamber RC cover slabs				
		(a)		Mild-steel bars	ton (t)	0.50	18 000.00	9 000.00
		(b)		High-yield-stress-steel bars (Hot rolled 450MPa)	ton (t)	5.00	18 000.00	90 000.00
C13.3.4				Extra-over item C13.3.1 (a), (b), etc. for galvanising of reinforcement	ton (t)	21.00	20 500.00	430 500.00
Total Carried Forward To Summary								846 300.00

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C13.4: CONCRETE

Item				Description	Unit	Quantity	Rate	Amount
C13.4				CONCRETE				
C13.4.1				Cast in situ concrete:				
	C13.4.1.2			Durable concrete (class D):				
		(a)		Box Chamber RC base, D30/35-20-XC1b	cubic metre (m³)	60.00	3 025.00	181 500.00
		(b)		Box Chamber RC walls, D30/35-20-XC1b	cubic metre (m³)	85.00	3 025.00	257 125.00
		(c)		Box Chamber RC cover slabs, D30/35-20-XC1b	cubic metre (m³)	40.00	3 025.00	121 000.00
C13.4.3				Extra over item C13.4.1 for the protection of concrete from adverse environmental conditions, if required:				
	C13.4.3.2			Durable concrete (class D):				
		(a)		Box Chamber RC base, D30/35-20-XC1b	cubic metre (m³)	60.00	150.00	9 000.00
		(b)		Box Chamber RC walls, D30/35-20-XC1b	cubic metre (m³)	85.00	150.00	12 750.00
		(c)		Box Chamber RC cover slabs, D30/35-20-XC1b	cubic metre (m³)	40.00	150.00	6 000.00
C13.4.5				Curing and surface protection of cast in situ concrete, as and where specifically required:				
	C13.4.5.1			Box Chamber RC base (Tenderer to specify method of curing)	square metre (m²)	95.00	35.00	3 325.00
	C13.4.5.2			Box Chamber RC walls (Tenderer to specify method of curing)	square metre (m²)	405.00	25.00	10 125.00
	C13.4.5.3			Box Chamber RC cover slabs (Tenderer to specify method of curing)	square metre (m²)	80.00	25.00	2 000.00
C13.4.9				Manufacturing precast concrete members				
		(a)		2150x1113x300mm thick RC Top Cover Slab for applicable Box Chambers, HHO-7504-304-1101 & HHO-7504-304-1102	number (No.)	3.00	5 465.00	16 395.00
C13.4.11				Transporting and erecting precast concrete members				
		(a)		2150x1113x300mm thick RC Top Cover Slab, 12000kg, HHO-7504-304-1101 & HHO-7504-304-1102	number (No.)	3.00	1 250.00	3 750.00
Total Carried Forward To Summary								622 970.00

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C13.7: JOINTS

Item				Description	Unit	Quantity	Rate	Amount
C13.7				JOINTS				
C13.7.2				Filled joints:				
	C13.7.2.1			Isolation joint between box chamber walls and removeable slabs. 3 layer thick Malthoid joint, bonded to box chamber walls, and debonded from the removable slab above joint.	square metre (m²)	35.00	250.00	8 750.00
C13.7.4				Sealing joints with:				
	C13.7.4.1			Sealant (silicone pavement sealant, or equivalent), 20mm joint	metre (m)	80.00	150.00	12 000.00
C13.7.8				Additional water tests for joints ordered by the Engineer	number (No.)	2.00	1 500.00	3 000.00
Total Carried Forward To Summary								23 750.00

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C14.7: PROTECTIVE COATINGS AND TREATMENTS FOR CONCRETE

Item				Description	Unit	Quantity	Rate	Amount
C14.7				PROTECTIVE COATINGS AND TREATMENTS FOR CONCRETE				
C14.7.2				Application of protective coatings and treatments for the exposed concrete faces of Wall Type 6 (Hydrophobic impregnants 250g/m²)	square metre (m²)	370.00	295.00	109 150.00
C14.7.3				On site monitoring and supply of written product performance guarantee	lump sum	1.00	2 500.00	2 500.00
C14.7.4				Trial sample panels	square metre (m²)	5.00	250.00	1 250.00
Total Carried Forward To Summary								
								112 900.00

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SUMMARY OF SECTIONS		
Secti	Description	Amount
1	C13.1: FOUNDATIONS	529 275.00
2	C13.2: FALSEWORK, FORMWORK AND	326 975.00
3	C13.3: STEEL REINFORCEMENT	846 300.00
4	C13.4: CONCRETE	622 970.00
5	C13.7: JOINTS	23 750.00
6	C14.7: PROTECTIVE COATINGS AND	112 900.00
Total Carried Forward To Summary Of Schedules		2462 170.00

CITY OF CAPE TOWN
TRANSPORT INFRASTRUCTURE IMPLEMENTATION
URBAN MOBILITY DIRECTORATE
CONTRACT NO.72Q/2025/26
SCHEDULE 9: ELECTRICAL MV/LV INFRASTRUCTURE RELOCATIONS

ITEM 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSA	ITEM 1 : PRELIMINARY AND GENERAL				
	8.3	FIXED CHARGE AND VALUE RELATED ITEMS				
1.01	8.3.1	Contractual requirements	Sum	1.0	1 650.00	1 650.00
1.02	8.3.2	Establishment of facilities on site	Sum	1.0	23 000.00	23 000.00
1.03	8.3.3	Removal of site establishment on completion	Sum	1.0	23 000.00	23 000.00
1.04	5.11	Compliance with OHS Act Construction Regulations				
1.04.1	5.11.1	Cost of Health and Safety Measures	Sum	1.0	2 750.00	2 750.00
1.04.2	5.11.1	Compiling and Maintenance of Health and Safety Plan	Sum	1.0	2 750.00	2 750.00
1.04.3	5.11.1	Compiling and Maintenance of Safety File	Sum	1.0	2 750.00	2 750.00
1.04.4		Planning of installation in sections to allow for outages, jointing of cables, moving of minisubs, kiosks and all other work in accordance with CoCT standards and the depot requirements, including any changes that are required to the planning to energise the relocated network.	Sum	1.0	2 750.00	2 750.00
	8.4	TIME-RELATED ITEMS				
1.05	8.4.1	Contractual requirements	Sum	1.0	16 500.00	16 500.00
1.06	8.4.2	Operate and maintain facilities on site:	Sum	1.0	78 500.00	78 500.00
1.07	8.4.3	Allow for site supervision. The cost shall include for the supervision of the installation and sign-off on the Certificates of Compliance by a competent person (Approved Inspection Authority, Competent Person as defined or Professionally Registered person).	Sum	1.0	370 000.00	370 000.00
	5.3	Apply for all relevant wayleaves, Collect wayleaves, pay permit fee and pay deposit (Refundable from Municipality) Contractor to ensure all wayleaves have been received and are up to date. (All costs included)	Sum	1.0	65 000.00	65 000.00
1.09	8.4.5	Other obligations	Sum		0.00	0.00
1.10	5.11.2	Guarding of the works throughout project	Sum	1.0	235 000.00	235 000.00
Total Carried Forward To Summary						823 650.00

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ITEM 2: SUBSTATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSB	<u>ITEM 2 : SUBSTATIONS</u>				
2.1	8.3.1	Concrete Plinths				
2.1.1	8.3.1.1	Concrete plinth for 500 kVA Type C CoCT (Western Cape)				
		mini-substation in compliance with CoCT spec	No	1.0	16 500.00	16 500.00
2.2		CoCT Minisub				
2.2.1	8.3.4.3	Installation 11 660V/420V				
		Type C CoCT Mini-Substation (DYN 7)	No.	1.00	3 850.00	3 850.00
2.2.2		Relocation of existing minisub from existing position to new. Includes all costs involved with moving the minisub to the proposed position.	No.	1.00	5 500.00	5 500.00
2.2.3		Circuit breakers for minisubs (CoCT Approved)				
		Rate to include testing of breakers by CoCT				
		125A	No.	1.00	5 850.00	5 850.00
		200A	No.	1.00	7 500.00	7 500.00
		250A	No.	1.00	9 000.00	9 000.00
Total Carried Forward To Summary						48 200.00

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ITEM 3: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.1	SSC	ITEM 3: UNDERGROUND NETWORKS				
		MV CABLE INSTALLATION				
3.1.1	8.3.1.1	Collect, lay and test 11kV cables				
		GALVANISED DOUBLE LAYER STEEL TAPE ARMOUR (GDSTA),				
		PVC SERVING, TO COCT SPECIFICATION.				
3.1.1.1		300mm ² (Al) x 3C 6,35/11kV PILC to CoCT specification	m	530.00	25.00	13 250.00
3.1.1.2		120mm ² (Al) x 3C 6,35/11kV PILC to CoCT specification	m	1 050.00	20.00	21 000.00
3.1.1.3		50mm ² (Al) x 3C 6,35/11kV PILC to CoCT specification	m	610.00	16.00	9 760.00
		Terminations and Joints and seals				
3.2.1	8.3.4.1	Jointing of 11kV cables tot CoCT Specifications				
3.2.1.1		300mm ² (Al) x 3C 6,35/11kV PILC	No.	7.00	6 000.00	42 000.00
3.2.1.2		120mm ² (Al) x 3C 6,35/11kV PILC	No.	8.00	5 500.00	44 000.00
3.2.1.3		50mm ² (Al) x 3C 6,35/11kV PILC	No.	9.00	5 250.00	47 250.00
	8.3.6.4	Terminations of 6.35/11kV Cable to CoCT Specification				
3.2.2.1		300mm ² (Al) x 3C 6,35/11kV PILC	No.	2.00	6 000.00	12 000.00
3.2.2.2		120mm ² (Al) x 3C 6,35/11kV PILC	No.	1.00	5 500.00	5 500.00
3.2.2.3		50mm ² (Al) x 3C 6,35/11kV PILC	No.	1.00	5 250.00	5 250.00
		Seal MV cable ends (Supply and Install)				
3.2.3.1		300mm ² (Al) x 3C 6,35/11kV PILC	No.	14.00	350.00	4 900.00
3.2.3.2		120mm ² (Al) x 3C 6,35/11kV PILC	No.	16.00	300.00	4 800.00
3.2.3.3		50mm ² (Al) x 3C 6,35/11kV PILC	No.	18.00	275.00	4 950.00
		Additional pressure test before energising (Existing and new cable)	No	20.00	5 000.00	100 000.00
3.5		Telecoms relocations with 300(Al)11kV Cables - Cables to be collected from CoCT stores (Free Issue)				
3.5.1		Collect and install of CoCT approved 1.5mm ² 7-pair Cu pilot cores for relocation of primary MV cable telecoms cables. SWA and Polyethylene sheathed	m	530.00	5.00	2 650.00
Total Carried Forward						317 310.00

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ITEM 3: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						317 310.00
3.5.2		Collect and install of CoCT approved 0.63mm ² 10-pair Cu pilot cores for relocation of primary MV cable telecoms cables. SWA and Polyethylene sheathed	m	530.00	5.00	2 650.00
3.5.3		Supply and install CoCT approved Telecommunication cable joint box for primary MV cable pilot cables	No.	7.00	3 500.00	24 500.00
LV INSTALLATION						
3.6.1		Collect (free Issue), Lay and test LV cables 600/1000V PVC PVC SWA PVC with SABS 1507 mark and to CoCT Specifications and standards				
3.6.1.1		300mm ² x 4C (Al)	m	300.00	17.00	5 100.00
3.6.1.2		185mm ² x 4C (Al)	m	660.00	15.00	9 900.00
3.6.1.3		120mm ² x 4C (Al)	m	210.00	14.00	2 940.00
3.6.1.4		70mm ² x 4C (Al)	m	240.00	12.00	2 880.00
3.6.1.5		35mm ² x 4C (Al)	m	120.00	10.00	1 200.00
3.6.1.6		16mm ² x 4C (Cu)	m	50.00	7.00	350.00
3.6.1.7		16mm ² x 2C (Cu)	m	50.00	7.00	350.00
Supply and install LV Joints to CoCT standards and specifications						
3.6.2.1		300mm ² x 4C (Al)	No.	14.00	2 850.00	39 900.00
3.6.2.2		185mm ² x 4C (Al)	No.	22.00	1 500.00	33 000.00
3.6.2.3		120mm ² x 4C (Al)	No.	6.00	1 250.00	7 500.00
3.6.2.4		70mm ² x 4C (Al)	No.	10.00	1 050.00	10 500.00
3.6.2.5		35mm ² x 4C (Al)	No.	8.00	600.00	4 800.00
3.6.2.6		16mm ² x 4C (Cu)	No.	10.00	475.00	4 750.00
3.6.2.7		16mm ² x 2C (Cu)	No.	10.00	475.00	4 750.00
Kiosk Terminations to CoCT standards and specifications						
3.6.3.1		300mm ² x 4C (Al)	No.	3.00	425.00	1 275.00
3.6.3.2		185mm ² x 4C (Al)	No.	3.00	275.00	825.00
3.6.3.3		120mm ² x 4C (Al)	No.	3.00	185.00	555.00
3.6.3.4		70mm ² x 4C (Al)	No.	3.00	135.00	405.00
Total Carried Forward						475 440.00

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ITEM 3: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						475 440.00
3.6.3.5		35mm ² x 4C (Al)	No.	3.00	85.00	255.00
3.6.3.6		16mm ² x 4C (Cu)	No.	5.00	85.00	425.00
3.6.3.7		16mm ² x 2C (Cu)	No.	5.00	85.00	425.00
		Over Head (O/H) Terminations to CoCT standards and specifications				
3.6.4.1		300mm ² x 4C (Al)	No.	6.00	700.00	4 200.00
3.6.4.2		185mm ² x 4C (Al)	No.	1.00	550.00	550.00
3.6.4.3		120mm ² x 4C (Al)	No.	1.00	435.00	435.00
3.6.4.4		70mm ² x 4C (Al)	No.	1.00	375.00	375.00
		Sealing of LV cable ends				
3.6.5.1		300mm ² x 4C (Al)	No.	14.00	55.00	770.00
3.6.5.2		185mm ² x 4C (Al)	No.	42.00	55.00	2 310.00
3.6.5.3		120mm ² x 4C (Al)	No.	6.00	55.00	330.00
3.6.5.4		70mm ² x 4C (Al)	No.	10.00	50.00	500.00
3.6.5.5		35mm ² x 4C (Al)	No.	8.00	50.00	400.00
3.6.5.6		16mm ² x 4C (Cu)	No.	5.00	40.00	200.00
3.6.5.7		16mm ² x 2C (Cu)	No.	5.00	40.00	200.00
		Distribution kiosks				
3.6.6.1		Supply and install CoCT approved fatboy kiosks populated with 12 circuit breakers and all wiring complete. A new C.O.C included in pricing for Each Kiosk	No	3.00	26 500.00	79 500.00
3.6.6.2		Moving of Distribution kiosks and Pillar boxes. Rates to include disconnection of existing LV cables. A new C.O.C included in pricing for Each Kiosk	No	12.00	975.00	11 700.00
3.6.6.3		Supply and install CoCT-approved Pillar Box kiosks, all wiring is complete with fuses. Fuses Size to be confirmed with Engineer before ordering A new C.O.C included in the pricing for Each Kiosk	No	1.00	56 500.00	56 500.00
		Install CoCT approved fuses				
3.6.7.1		1 set of 400A HRC Fuses	No	1.00	55.00	55.00
3.6.7.2		1 set of 250A HRC Fuses	No	1.00	55.00	55.00
Total Carried Forward						634 625.00

CITY OF CAPE TOWN
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URBAN MOBILITY DIRECTORATE
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SCHEDULE 9: ELECTRICAL MV/LV INFRASTRUCTURE RELOCATIONS

ITEM 3: UNDERGROUND NETWORKS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						634 625.00
3.6.7.3		1 set of 200A HRC Fuses	No	1.00	55.00	55.00
3.6.7.4		1 set of 160A HRC Fuses	No	1.00	55.00	55.00
3.8		Communication (Telekoms/Fibre) installation				
3.8.1		Install fibre ducts wherever fibre cables are to be reroute. The fibre ducts are to be according to CoCT specification. These 32mm DIA ducts will be free issued and are to be collected from CoCT stores	m	530.00	12.50	6 625.00
3.8.2		Install fibre cables in the abovementioned newly installed ducts. The fibre cables are to be according to CoCT specification. These fibre cables will be free issued and are to be collected from CoCT stores. The cables are to be installed by blowing. Arrange for the City to splice and test cables.	m	530.00	17.50	9 275.00
3.8.3		Arrange for City to do splicing and testing of fibre for each fibre cable rerouted, as it is rerouted	No	7.00	5 500.00	38 500.00
Total Carried Forward To Summary						689 135.00

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ITEM 4: EXCAVATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.1	SSE 8.3.2.1	ITEM 4: EXCAVATIONS Excavation by hand in all material for trenches, backfilling, compaction and removal of surplus material				
4.1.1	8.3.2.1	0,5 m x 1 m deep for MV cables	m	1 500.00	135.00	202 500.00
4.1.2	8.3.2.1	0.5m x 1 m deep for MV, LV distribution and service cable	m	1 500.00	135.00	202 500.00
4.1.3	8.3.2.1	1m x 1 m deep for MV, LV distribution and service	m	1 500.00	190.00	285 000.00
4.2	8.3.2.1	Extra-over for import of clean backfill sand, inclusive of removal of surplus insitu material (Engineer to approve before hand)	m³	450.00	366.00	164 700.00
		Directional moling				
4.3.1		Setup costs per crossing	No	10.00	6 100.00	61 000.00
4.3.2		110mm DIA ducts	m	200.00	1 100.00	220 000.00
4.3.3		160mm DIA ducts	m	200.00	1 300.00	260 000.00
4.4	8.3.4	Tracing and protection of existing services crossing excavations	No	300.00	175.00	52 500.00
4.5	8.3.5	Tracing and protection of existing services parallel to excavations	m	1 500.00	175.00	262 500.00
4.6	8.3.7	Troxler Test	No	400.00	175.00	70 000.00
		Reinstate made up surfaces				
4.7.1		Paving	m²	250.00	410.00	102 500.00
4.7.2		Cutting and Reinstating of Tar	m²	250.00	575.00	143 750.00
3		Removal and Reinstate of landscaping.	m²	250.00	275.00	68 750.00
4.8		Duct Installations to CoCT standard duct type installations. Rates to include concrete encasement and all other requirements, complete arrangement to be supplied and installed.				
4.8.1		A - 2xS	m	39.00	665.00	25 935.00
4.8.2		B -2xS, 1xL	m	50.00	1 160.00	58 000.00
4.8.3		C - 2xS, 2xL	m	39.00	1 625.00	63 375.00
4.8.4		D -2xS, 3xL	m	60.00	2 065.00	123 900.00
4.8.5		E - 3xS, 3xL	m	53.00	2 445.00	129 585.00
4.8.6		F - 4xS, 4xL	m	15.00	2 850.00	42 750.00
Total Carried Forward						2539 245.00

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 URBAN MOBILITY DIRECTORATE
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ITEM 4: EXCAVATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						2539 245.00
4.8.7		G - 6xS, 4xL	m	36.00	3 865.00	139 140.00
4.8.8		H - 4xS, 3xL	m	28.00	3 100.00	86 800.00
4.8.9		J - 8xS, 6xL	m	20.00	4 850.00	97 000.00
4.8.10		K - 12xS, 8xL	m	50.00	6 500.00	325 000.00
4.8.11		L - 3xS, 12xL	m	50.00	5 750.00	287 500.00
Total Carried Forward To Summary						3474 685.00

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ITEM 5: EARTHING

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SSG	ITEM 5: EARTHING				
5.1	8.3.2.4	Install and connect earth spike to kiosks (Complete)	No	13.00	275.00	3 575.00
5.2	8.3.2.4	Install and connect earth spike to minisubs (Complete)	No	20.00	275.00	5 500.00
5.3	8.3.4.1	Earth resistance test (At all end of runs and at minisub)	No	20.00	550.00	11 000.00
Total Carried Forward To Summary						20 075.00

CITY OF CAPE TOWN
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SCHEDULE 9: ELECTRICAL MV/LV INFRASTRUCTURE RELOCATIONS

ITEM 6: OVERHEAD NETWORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		ITEM 6: OVERHEAD NETWORK				
6.1		Disconnect cables from feeder poles and make safe	No	6.00	275.00	1 650.00
6.2		Install new feeder cable to feeder pole (Including kicker pipe (Cables measured seperately				
6.2.1		300mm ² x 4C (Al)	No.	3.00	525.00	1 575.00
6.2.2		185mm ² x 4C (Al)	No.	3.00	350.00	1 050.00
6.2.3		120mm ² x 4C (Al)	No.	3.00	235.00	705.00
6.2.4		70mm ² x 4C (Al)	No.	3.00	155.00	465.00
6.2.5		35mm ² x 4C (Al)	No.	3.00	110.00	330.00
6.2.6		16mm ² x 4C (Cu)	No.	3.00	110.00	330.00
6.2.7		16mm ² x 2C (Cu)	No.	3.00	110.00	330.00
6.3		Remove, store and deliver poles to CoCT stores (Engineer to approve poles to be removed)	No.	3.00	565.00	1 695.00
6.4		Remove, store and deliver O/H lines to CoCT stores. Conductor measured per linear meter for all O/H conductors between poles.	m	500.00	20.00	10 000.00
		O/H POLES				
		Supply and installation of O/H lines to CoCT standard. Insulation, earthing ,etc to be included in pricing.				
6.5.1		Stay Wire to Support the Existing O/H line poles	No	1.00	3 750.00	3 750.00
6.5.2		Strut Pole	No	1.00	6 500.00	6 500.00
6.5.3		Fledge Pole	No	2.00	9 250.00	18 500.00
Total Carried Forward To Summary						46 880.00

CITY OF CAPE TOWN
INFRASTRUCTURE IMPLEMENTATION,
URBAN MOBILITY DIRECTORATE
CONTRACT NO. 72Q/2025/26

SUMMARY OF SCHEDULES			Amount
Schedule	Description		
1	SCHEDULE 1 : GENERAL		49793 350.00
2	SCHEDULE 2: ROADWORKS		61177 595.00
3	SCHEDULE 3: SERVICES		9671 450.00
4	SCHEDULE 4: WATER MAINS		19182 045.00
5	SCHEDULE 5: ELECTRICAL STREET LIGHTING/SUPPLY		3032 000.00
6	SCHEDULE 6: TRAFFIC SIGNALISATION		5160 880.00
7	SCHEDULE 7: CEMETERY WALL & FENCING		12552 762.50
8	SCHEDULE 8: WATER BOX CHAMBERS		2462 170.00
9	SCHEDULE 9: ELECTRICAL MV/LV INFRASTRUCTURE RELOCATIONS		5102 625.00
Total Carried Forward To Summary Of Contracts			168134 877.50

CITY OF CAPE TOWN
 INFRASTRUCTURE IMPLEMENTATION,
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 CONTRACT NO. 72Q/2025/26

SUMMARY OF SCHEDULES			
Schedule	Description		Amount
1	SCHEDULE 1 : GENERAL	R	49 793 350.00
2	SCHEDULE 2: ROADWORKS	R	61 177 595.00
3	SCHEDULE 3: SERVICES	R	9 671 450.00
4	SCHEDULE 4: WATER MAINS	R	19 182 045.00
5	SCHEDULE 5: ELECTRICAL STREET LIGHTING/SUPPLY	R	3 032 000.00
6	SCHEDULE 6: TRAFFIC SIGNALISATION	R	5 160 880.00
7	SCHEDULE 7: CEMETERY WALL & FENCING	R	12 552 762.50
8	SCHEDULE 8: WATER BOX CHAMBERS	R	2 462 170.00
9	SCHEDULE 9: ELECTRICAL MV/LV INFRASTRUCTURE RELOCATIONS	R	5 102 625.00
Total Carried Forward To Summary Of Contracts		R	168 134 877.50
contingencies		R	16 813 487.75
TOTAL INCLUDING CONTINGENCIES		R	184 948 365.25
VAT 15%		R	27 742 254.79
TOTAL CARRIED TO FORM OF OFFER		R	212 690 620.04