

TENDER BRIEFING PRESENTATION

CONTRACT NUMBER: N.012-150-2021/1F

**NORTHERN REGION
SEPTEMBER 2022**

NON-COMPULSORY

SANRAL



**BUILDING SOUTH AFRICA
THROUGH BETTER ROADS**



CONTRACT NUMBER: N.012-150-2021/1F

**CONTRACT DESCRIPTION: FOR THE INSTALLATION OF
STREETLIGHTING ON NATIONAL ROUTE N12 SECTION 15
KM(71.00-76.30)**

NORTHERN REGION

SEPTEMBER 2022

SANRAL



**BUILDING SOUTH AFRICA
THROUGH BETTER ROADS**

N.012 -150-2021/1

Tender documents are available at no cost in electronic format downloadable from SANRAL website <https://www.nra.co.za/service-provider-zone/tenders/open-tenders/>

Tenderers must have access to Microsoft Office © 2013 and Acrobat Adobe © 9.0, or similar compatible software.

1. WELCOME & INTRODUCTION

SANRAL



BUILDING SOUTH AFRICA
THROUGH BETTER ROADS

PROJECT TEAM

PROJECT	N.012 -150-2021/1
CLIENT	SANRAL
OPERATIONS & MAINTENANCE MANAGER	M. MTHEMBU
PROJECT MANAGER	S. NCEDANA
PROCUREMENT REPRESENTATIVE	G. DLADLA
ENGINEERING REPRESENTATIVE	B. MDZINISO
CONTRACT ENGINEER	D. NAIDOO



2. IMPORTANT DATES

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BUILDING SOUTH AFRICA
THROUGH BETTER ROADS

IMPORTANT DATES

SUBMISSION OF FORM A1.1 NB: Failure to submit this certificate would result in the tenderer not receiving addenda or additional issued information and may result in the tenderer being non-responsive.	THURSDAY, 08 SEPTEMBER 2022
SUBMISSION OF QUERIES BY TENDERERS	TUESDAY, 20 SEPTEMBER 2022 (COB)
TENDER CLOSING DATE	THURSDAY, 29 SEPTEMBER 2022

LIST OF CONTRACT DOCUMENTS

DOCUMENT	DESCRIPTION
Volume 1	The Conditions of Contract for Construction for Building and Engineering Works Designed by the Employer (1999)
Volume 2A	The COTO Standard Specifications for Road and Bridge Works for South African Road Authorities (Draft Standard October 2020 edition)
Volume 2B	Relevant Codes Applying to Electrical and Lighting Work
Volume 3	Project Document (Book 1 to 3)
Volume 4	Electrical and Lighting Drawings
Volume 5	Structural Drawings. (Not Applicable)
Volume 6	Materials Investigation and Utilization (Not Applicable)
Volume 7	Environmental Management Plan Report

VOLUME 3: BOOK 1 TO 3

TENDER STAGE:

Volume 3 is issued in electronic format downloaded from the SANRAL's website

The link contains the following files:

- The full Project Document in .pdf format (excluding the standard conditions of tender)
- The returnable forms in word format
- The pricing data in Excel format

CONTRACT STAGE:

Volume 3 will be a bound signed paper copy containing the following documents:

- Returnable schedules relevant to the project
- Agreements and Contract Data
- Pricing Data
- Scope of Work
- Project Information

3. VOLUME 3: BOOK 1

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BUILDING SOUTH AFRICA
THROUGH BETTER ROADS

BOOK 1 – PART T1

PART T1: TENDERING PROCEDURES

T1.1 TENDER NOTICE AND INVITATION TO TENDER (INCORPORATING SBD1)

T1.2 TENDER DATA

BOOK 1 – PART T2

PART T2: RETURNABLE SCHEDULES



PART T1: TENDERING PROCEDURES

T1.1: TENDER NOTICE AND INVITATION TO TENDER

PRE-QUALIFICATION REQUIREMENTS

PREQUALIFICATION REQUIREMENTS FOR THIS CONTRACT

REQUIREMENT	MINIMUM
B-BBEE Level	Only tenderers with a B-BBEE contributor status level of 1, 2, 3 or 4, and who is an EME or a QSE, or Generic are eligible to tender.
CSD	Only tenderers who are registered on the National Treasury Central Supplier Database, are eligible to tender.

PROJECT NUMBER	MINIMUM CIDB
N.012 -150-2021/1	It is estimated that tenderers should have a CIDB contractor grading designation of 7EP or higher, however tenderers attention is drawn to clause C.2.1.1 of the Tender Data when submitting their tender.

SUB-CONTRACTING REQUIREMENTS

COMPULSORY SUBCONTRACTING TARGET

If the tenderer is a EME or a QSE, it is a requirement of this project that the successful tenderer subcontract a minimum of **Thirty percent (30%)** of the work by the end of the contract to Targeted Enterprise(s) as defined in the Contract Data.

If the tenderer is **not a EME or a QSE, and has less than 51% Black ownership** then it is a requirement of this project that the successful tenderer subcontract a minimum of **Fifty percent (50%)** of the work by the end of the contract, to Targeted Enterprise(s) as defined in the Contract Data.

If the tenderer is **not a EME or a QSE, and has equal or more than 51% Black ownership** then it is a requirement of this project that the successful tenderer subcontract a minimum of **Forty percent (40%)** of the work by the end of the contract, to Targeted Enterprise(s) as defined in the Contract Data.

If the tenderer is **not a EME or a QSE, and has equal or more than 51% Black women or Black youth ownership** then it is a requirement of this project that the successful tenderer subcontract a minimum of **Thirty percent (30%)** of the work by the end of the contract, to Targeted Enterprise(s) as defined in the Contract Data

ENQUIRIES

Queries relating to issues arising from these documents may be addressed to the following:

ALL ENQUIRIES - N.012 -150-2021/1
ProcurementNR3@sanral.co.za

DO NOT CONTACT THE ENGINEER



PART T1: TENDERING PROCEDURES

T1.2: TENDER DATA

CONDITIONS OF TENDER

The Conditions of Tender are the Standard Conditions of Tender as contained in SANS 10845-3:2015 Edition 1.

SANS 10845-3:2015 Edition 1 is obtainable from SABS Standards Division, 1 Dr Lategan Road, Groenkloof or Private Bag X191, Pretoria, 0001. Tel: +27 12 428 7911 Fax: +27 12 344 1568. website: www.sabs.co.za.

T1: TENDER DATA

Each item of data given is cross-referenced to the clause in the Standard and Special Conditions of Tender to which it mainly applies. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard/special conditions of tender.

CLAUSE	TENDER DATA
1.1	<p>The Employer is The South African National Road Agency SOC Limited (SANRAL). The Employer's domicilium citandi et executandi (permanent physical business address) is:</p> <p>48 Tambotie Avenue VAL DE GRACE PRETORIA 0184</p> <p>The Employer's address for communication relating to this project is: Procurement Officer Northern Region 38 Ida Street, Menlo Park, 0081</p>
1.4	<p>The Employer's Agent during the tender period can be contacted at ProcurementNR3@sanral.co.za</p>

T1: TENDER DATA

CLAUSE	TENDER DATA															
2.1	<p>Only those Tenderers who satisfy the following criteria are eligible to submit tenders:</p> <p>a) Construction Industry Development Board Registration</p> <p>Tenderers registered as potentially emerging enterprises but with a CIDB contractor grading designation lower than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25(7A) of the Construction Industry Development Regulations, are not eligible to have their tenders evaluated.</p> <p>b) Local production and content (Forms A3.5 and A3.6)</p> <p>i) Steel</p> <p>Only locally produced or locally manufactured steel products and components for construction with a minimum threshold for local content and production as stipulated below will be considered.</p> <table><caption>Minimum local content for Steel Value-added Products</caption><tr><th>Steel Construction Materials</th><th>Components</th><th>Local Content Threshold</th></tr><tr><td>Fabricated Structural Steel</td><td>Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers and treads, ladders, steel flooring, floor grating, handrailing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses</td><td>100%</td></tr><tr><td>Fasteners</td><td>Bolts, nuts, rivets and nails</td><td>100%</td></tr><tr><td>Wire Products</td><td>All fencing products, all barbed wire and mesh fencing, fabric/mesh reinforcing, gabions, wire rope/strand and chains, welding electrodes, nails/tacks, springs and screws</td><td>100%</td></tr><tr><td>Ducting and Structural Pipework</td><td>Non-conveyance tubing fabricated from steel sheeting and plate with structural supports</td><td>100%</td></tr></table>	Steel Construction Materials	Components	Local Content Threshold	Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers and treads, ladders, steel flooring, floor grating, handrailing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses	100%	Fasteners	Bolts, nuts, rivets and nails	100%	Wire Products	All fencing products, all barbed wire and mesh fencing, fabric/mesh reinforcing, gabions, wire rope/strand and chains, welding electrodes, nails/tacks, springs and screws	100%	Ducting and Structural Pipework	Non-conveyance tubing fabricated from steel sheeting and plate with structural supports	100%
Steel Construction Materials	Components	Local Content Threshold														
Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers and treads, ladders, steel flooring, floor grating, handrailing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses	100%														
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Ducting and Structural Pipework	Non-conveyance tubing fabricated from steel sheeting and plate with structural supports	100%														

T1: TENDER DATA

CLAUSE	TENDER DATA														
2.1 cont...	<p>Minimum local content for Primary Steel Products</p> <table border="1"> <thead> <tr> <th>Steel Construction Materials</th><th>Local Content Threshold</th></tr> </thead> <tbody> <tr> <td>Plates (>4.5mm thick and supplied in flat pieces)</td><td>100%</td></tr> <tr> <td>Sheets (<4.5mm thick and supplied in coils)</td><td>100%</td></tr> <tr> <td>Galvanised and Colour Coated coils</td><td>100%</td></tr> <tr> <td>Wire Rod and Drawn Wire</td><td>100%</td></tr> <tr> <td>Sections (Channels, Angles, I-Beams and H-Beams)</td><td>100%</td></tr> <tr> <td>Reinforcing bars</td><td>100%</td></tr> </tbody> </table> <p>In the designation, imported inputs raw materials (i.e. zinc and additives in the surface preparation and protection process (cleaning and coating/galvanising)) used in the production of steel products and components for the construction are deemed as locally manufactured input materials.</p> <p>The imported input raw material, as specified above, used in the manufacture and production of steel products and components for construction will be deemed to have been sourced locally for the purposes of calculating local content.</p>	Steel Construction Materials	Local Content Threshold	Plates (>4.5mm thick and supplied in flat pieces)	100%	Sheets (<4.5mm thick and supplied in coils)	100%	Galvanised and Colour Coated coils	100%	Wire Rod and Drawn Wire	100%	Sections (Channels, Angles, I-Beams and H-Beams)	100%	Reinforcing bars	100%
Steel Construction Materials	Local Content Threshold														
Plates (>4.5mm thick and supplied in flat pieces)	100%														
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Reinforcing bars	100%														

T1: TENDER DATA

CLAUSE	TENDER DATA																
2.1 cont...	<p>ii) Electrical and telecommunication cables</p> <p>Only locally produced or locally manufactured electrical and telecommunication cables for construction with a minimum threshold for local content and production as stipulated below will be considered.</p> <p>Electrical Cables: cables used for power transmission</p> <table><tr><th>Cable Products</th><th>Stipulated minimum threshold</th></tr><tr><td>Low Voltage</td><td>90%</td></tr><tr><td>Low Cost Reticulation</td><td>90%</td></tr><tr><td>Medium & High Voltage</td><td>90%</td></tr><tr><td>ACR</td><td>90%</td></tr></table> <p>Telecommunication Cables: cables used for telecommunications</p> <table><tr><th>Cable Products</th><th>Stipulated minimum threshold</th></tr><tr><td>Optical Fibre Cables</td><td>90%</td></tr><tr><td>Copper Telecom Cables</td><td>90%</td></tr></table>	Cable Products	Stipulated minimum threshold	Low Voltage	90%	Low Cost Reticulation	90%	Medium & High Voltage	90%	ACR	90%	Cable Products	Stipulated minimum threshold	Optical Fibre Cables	90%	Copper Telecom Cables	90%
Cable Products	Stipulated minimum threshold																
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T1: TENDER DATA

CLAUSE	TENDER DATA										
2.1 cont...	<p>Excluded in the designation are mainly primary steel, copper, aluminium, polyvinyl chloride (PVC), cross-linked polyethylene (XLPE), aramid yarn, and optical fibre used for fabrication of cable products. This is to encourage local manufactures to seek the best global competitive prices for primary materials hence the competitive imported materials used in the manufacture of cables will be deemed to have been sourced locally for the purposes of calculating local content.</p> <p>The tenderer shall complete the Declaration Certificate for Local Production and Content (Form A3.5) and the Local Content Declaration: Summary Schedule (Form A3.6) for each product.</p> <p>Failure to meet the stipulated minimum threshold for local production and content will render the tender non-responsive.</p> <p>iii) Plastic Pipes</p> <p>Only locally produced or locally manufactured Plastic Pipes with a minimum threshold for local content and production as stipulated below will be considered.</p> <p>Plastic Pipes</p> <table> <tr> <th>Cable Products</th><th>Stipulated minimum threshold</th></tr> <tr> <td>Polyvinyl chloride (PVC) pipes</td><td>100%</td></tr> <tr> <td>High density polyethylene (HDPE) pipes</td><td>100%</td></tr> <tr> <td>Polypropylene (PP) pipes</td><td>100%</td></tr> <tr> <td>Glass reinforced plastic (GRP) pipes</td><td>100%</td></tr> </table>	Cable Products	Stipulated minimum threshold	Polyvinyl chloride (PVC) pipes	100%	High density polyethylene (HDPE) pipes	100%	Polypropylene (PP) pipes	100%	Glass reinforced plastic (GRP) pipes	100%
Cable Products	Stipulated minimum threshold										
Polyvinyl chloride (PVC) pipes	100%										
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T1: TENDER DATA

CLAUSE	TENDER DATA																												
2.1 cont...	<p>iv) Bagged and Bulk Cement</p> <p>Only locally produced or locally manufactured bagged and bulk cement produced using locally produced raw materials with the minimum threshold percentages for local production and content stated below will be considered:</p> <p>Bagged and Bulk Cement</p> <table><tr><th>Cement Type</th><th>Description</th><th>Application</th><th>Stipulated Minimum Threshold</th></tr><tr><td>Cem I</td><td>Pure portland cement with a 95-100% clinker.</td><td>All civil and building construction as appropriate</td><td>100 %</td></tr><tr><td>Cem II</td><td>Portland cement containing varying additions of secondary materials, i.e. fly ash, pozzolana, slag, silica fume, or limestone</td><td>All civil and building construction as appropriate</td><td>100 %</td></tr><tr><td>Cem III</td><td>blast furnace cement, 50% OPC, 50% blast furnace slag</td><td>All civil and building construction as appropriate</td><td>100 %</td></tr><tr><td>Cem IV</td><td>pozzolanic cement, OPC and fly ash</td><td>All civil and building construction as appropriate</td><td>100 %</td></tr><tr><td>Cem V</td><td>composite cement: slag and ash cement. Blended cements with more than one blending material</td><td>All civil and building construction as appropriate</td><td>100 %</td></tr><tr><td>Masonry cement</td><td>Mixture of Portland cement and plasticizing materials such as limestone to improve setting time</td><td>use in mortar, brick, block, and stone masonry construction</td><td>100 %</td></tr></table>	Cement Type	Description	Application	Stipulated Minimum Threshold	Cem I	Pure portland cement with a 95-100% clinker.	All civil and building construction as appropriate	100 %	Cem II	Portland cement containing varying additions of secondary materials, i.e. fly ash, pozzolana, slag, silica fume, or limestone	All civil and building construction as appropriate	100 %	Cem III	blast furnace cement, 50% OPC, 50% blast furnace slag	All civil and building construction as appropriate	100 %	Cem IV	pozzolanic cement, OPC and fly ash	All civil and building construction as appropriate	100 %	Cem V	composite cement: slag and ash cement. Blended cements with more than one blending material	All civil and building construction as appropriate	100 %	Masonry cement	Mixture of Portland cement and plasticizing materials such as limestone to improve setting time	use in mortar, brick, block, and stone masonry construction	100 %
Cement Type	Description	Application	Stipulated Minimum Threshold																										
Cem I	Pure portland cement with a 95-100% clinker.	All civil and building construction as appropriate	100 %																										
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Cem IV	pozzolanic cement, OPC and fly ash	All civil and building construction as appropriate	100 %																										
Cem V	composite cement: slag and ash cement. Blended cements with more than one blending material	All civil and building construction as appropriate	100 %																										
Masonry cement	Mixture of Portland cement and plasticizing materials such as limestone to improve setting time	use in mortar, brick, block, and stone masonry construction	100 %																										

T1: TENDER DATA

CLAUSE	TENDER DATA
2.1 cont...	<p>c) National Treasury Central Supplier Database (Form A3.4)</p> <p>Tenderers, or in the event of a Joint Venture, each member of the Joint Venture, shall be registered on the National Treasury Central Supplier Database at the closing date for tender submissions. Tenders received from such tenderers who do not comply with this requirement, will be declared non-responsive. If not registered as verified online at tender closing, the tender will be declared as non-responsive.</p> <p>d) Criteria for preferential procurement</p> <p>Tenderers that have a B-BBEE contributor status level of 1, 2, 3 or 4 and who is an EME or a QSE, are eligible to tender.</p> <p>The tenderer shall submit a valid B-BBEE certificate or Sworn Affidavit (where applicable) in compliance with the requirements of Tender Data C.3.11., as proof of eligibility.</p> <p>The tender will be declared non-responsive:</p> <ul style="list-style-type: none"> a) If the B-BBEE Certificate is not submitted or submitted B-BBEE certificate is not valid; or b) If the B-BBEE Certificate is not submitted, and the tenderer has claimed a status point level; or c) If tenderer failed to submit a valid B-BBEE Certificate but claimed status level points; or d) If the tenderer submits a B-BBEE Certificate that is expired - but did claim preference points; or

T1: TENDER DATA

CLAUSE	TENDER DATA
2.1 cont...	<p>e) If the tenderer submits a B-BBEE Certificate that does not comply with requirements; or</p> <p>f) If the tenderer submits the Scorecard assessment report only; or</p> <p>g) If, in a case of a Joint Venture, the tenderer submits an unincorporated consolidated Joint Venture B-BBEE Certificate which is not project specific; or</p> <p>h) If, in a case of a Joint Venture, the tenderer submits an unincorporated consolidated Joint Venture B-BBEE Certificate which does not have a contract description and / or a tender number; or</p> <p>i) If a tenderer only submits one B-BBEE certificate in one tender submission, where multiple tenders were issued by SANRAL; or</p> <p>j) If the BBEE certificate or Sworn Affidavit is not submitted or not valid; or</p> <p>k) for a Sworn Affidavit; if</p> <p>i. EME (not start-up) submits a Sworn Affidavit with total revenue above R3 million (contractors) instead of a B-BBEE Certificate.</p> <p>or</p> <p>ii. QSE submits Sworn Affidavit (consultants and contractors) instead of a B-BBEE Certificate</p> <p>Failure to satisfy all the eligibility criteria will result in a non-eligible tender.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
2.7	<p>Clarification Meeting</p> <p>The clarification briefing presentation is available on the following https://www.nra.co.za/service-provider-zone/tenders/open-tenders/ In addition, a non-compulsory clarification briefing meeting will be held via a virtual platform on Monday, 12 September 2022 at 11:00AM where the project will be presented. A link to the clarification briefing meeting will be sent to tenderers who complete and submit a Certificate of Intention to Submit a Tender (Form A1.1).</p> <p>The onus rests with the tenderer to ensure that the representative reading the clarification briefing presentation is appropriately qualified to understand all directives and clarifications given in the presentation.</p> <p>The signature on the duly completed and signed Form A1 shall be considered proof that the tenderer read the whole clarification briefing presentation and clearly understood all directives and clarifications given in the presentation.</p>
2.8	Request clarifications at least 7 (seven) working days before the closing time.
2.9	No insurance is provided by the Employer.

T1: TENDER DATA

CLAUSE	TENDER DATA
2.9	No insurance is provided by the Employer.
2.10	Tenderers are required to state the rates, amounts, and currencies in Rand.
2.12	<p>A tenderer wishing to submit an alternative offer (excluding alternative offers of different contract duration, retention guarantees, discounted offers or different compliant material sources) shall first apply to the Employer for confirmation that the Employer's standards and requirements envisaged in the design are not compromised or reduced.</p> <p>Such confirmation must have been provided by the Employer in writing at least 5 (five) working days before the date of tender closing, or as extended by an addendum sent to all tenderers. The application shall not be submitted later than 7 (seven) working days before the date of tender closing given in Tender Data clause C.2.15, or as extended by an addendum sent to all tenderers.</p> <p>The replacement of specified construction items like pipes, in situ culverts, kerbs and channels with similar products constructed of different materials (e.g. plastic products or pre-cast construction) are generally not acceptable as alternatives because construction using such alternative products would have been considered during the design stage and not selected as appropriate and because the Employer is able, post-award, to make proposals to or receive proposals from the contractor. However, if such alternative materials are considered acceptable by the employer's agent as giving the tenderer a financial advantage and/or not transferring risk, the qualification must be recorded on returnable schedule A4: Schedule of Deviations or Qualifications by Tenderer.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
2.12 cont...	<p>Also, not acceptable as alternative offers are the submission of alternative key persons, alterations to contingency pay items provided in the bill of quantities (pricing schedule), fixed prices for individual items or a fixed price contract.</p> <p>If an alternative proposal is confirmed to be acceptable, calculations, drawings and all other pertinent technical information and characteristics as well as proposed modification of, or alternative to, the Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set in clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Should an alternative electrical design be proposed, the proposed alternative Pricing Data shall include an amount equal to 3% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed. If the alternative offer is accepted, this amount will serve as a negative prime cost sum under Part C section C1.2 to be deducted from the contractor's payment certificates. The Employer undertakes to provide full accounting of the amount expended for this contingent sum and if exceeded, no further payments shall be deducted. Failure by a tenderer to include the required amount for confirming the alternative design may render his alternative tender as non-responsive.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
2.12 cont...	Acceptance of an alternative offer will mean acceptance in principle of the offer. It will be an obligation of the contract with the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.

T1: TENDER DATA

CLAUSE	TENDER DATA
2.15	<p>The Employer's address for delivery of tender offers and identification details to be shown on tender offer package are:</p> <p>TENDERER: CONTRACT NUMBER: N.012 -150-2021/1 CONTRACT DESCRIPTION: FOR THE INSTALLATION OF STREET LIGHTING ON NATIONAL ROUTE N12 SECTION 15 KM (71.00 TO 76.30)</p> <p>(TENDERER'S AUTHORISED REPRESENTATIVE'S NAME:) (TENDERER'S POSTAL ADDRESS:) (TENDERER'S CONTACT NUMBERS:) (CLOSING DATE: THURSDAY, 29 SEPTEMBER 2022) (CLOSING TIME: 11:00 AM)</p> <p>Location of tender box : SANRAL NORTHERN REGION 38 Ida Street Menlo Park 0081</p> <p>Tenders must be submitted during hours (09:00 to 16:00) Monday to Friday at the Employer's address.</p> <p>It is in the tenderer's interest to ensure that the delivery of the tender offer is recorded in the Employer's tenders received register and deposited in the tender box.</p> <p>TENDERERS TO ADHERE TO EMPLOYER'S COVID 19 HEALTH AND SAFETY MEASURES WHEN SUBMITTING TENDERS.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
2.15	The closing time for submission of tender offers is 11h00 hours on THURSDAY, 29 SEPTEMBER 2022
2.16.1	Tender offer validity The tender offer validity period is Twenty-Four (24) weeks .
2.16.3	<p>Where a tenderer, at any time after the opening of his tender offer but prior to entering into a contract based on his tender offer:</p> <p>a) withdraws his tender; b) gives notice of his inability to execute the contract in terms of his tender; or c) fails to comply with a request made in terms of C.2.17, C.2.18 or C.3.9,</p> <p>such tenderer shall be barred from tendering on any of the Employer's tenders for a period to be determined by the Employer, but not less than six (6) months from a date determined by the Employer. This sanction also applies to tenders under evaluation and not yet awarded. This sanction does not apply to tenders under evaluation where a request for extension of the validity period was not accepted by the tenderer. The Employer may fully or partly exempt a tenderer from the provisions of this condition if he is of the opinion that the circumstances justify the exemption.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
2.18	Provide other material Any additional information requested under this clause must be provided within 5 (five) working days of date of request.
2.19	Inspections, tests and analysis The site can be inspected by driving along the N12, Section 15 between Kilometer markers (KM) 71.00 and 76.30.
3.1	Respond to requests from the tenderer The Employer shall respond to clarifications received up to 22 September 2022 .
3.2	Issue Addenda The employer shall issue addenda until 5 (five) working days before tender closing time.
3.4	Opening of tender submissions The opening will be live streamed to all the tenderers during the tender opening The time and location for opening of the tender offers are: Time: 11:00 on Thursday, 29 September 2022 Venue: The tender opening can be viewed via live streaming at a link to be submitted to tenderers who submit Form A1.1.

T1: TENDER DATA

CLAUSE	TENDER DATA
3.7	<p>Grounds for rejection and disqualification</p> <p>Prior to disqualification, the Employer shall inform the tenderer and give the tenderer an opportunity to make representations within 14 days as to why the tender submitted should not be disqualified and as to why the tenderer should not be restricted by the National Treasury from conducting any business with any organ of state for a period not exceeding 10 years.</p> <p>In the event of disqualification, the Employer may, at its sole discretion, claim damages from the tenderer and impose a specified period during which tender offers will not be accepted from the offending tenderer and, the Employer shall inform the National Treasury and the CIDB in writing.</p>
3.8	<p>Test for responsiveness</p> <p>A Substantially responsive tender is a tender in which all of the material information and documentation submitted at close of tender contains non-material and non-conformities to the bid specifications but are not related to price. The correction of any such documentation or information, or the condonement for the non-inclusion of any such document or information may not be prejudicial towards the offer and claimed preference of any responsive tender or be construed to be giving an unfair advantage to any tender.</p> <p>A responsive tender is also one that conforms to all the terms, conditions, and scope of work of the tender documents, without material omissions. The test for a material omission is the same as the test for a material deviation or qualification.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
3.9	Arithmetical errors, omissions, discrepancies and imbalanced unit rates
3.9.1	Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount appearing in the summary to the Pricing Schedule shall govern.
3.9.3	<p>Check responsive tender offers for:</p> <ul style="list-style-type: none"> a) the gross misplacement of the decimal point in any unit rate; b) omissions made in completing the pricing schedule or bills of quantities; or c) arithmetic errors in: <ul style="list-style-type: none"> i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or ii) the summation of the prices. d) imbalanced unit rates. <p>Notify shortlisted tenderers of all errors, omissions or imbalanced rates that are identified in their tender offers and either confirm the tender offers as tendered or accept the corrected total prices.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
<p>3.9 cont...</p> <p>3.9.4</p>	<p>Where the tenderer elects to confirm the correction of the errors, omissions or imbalanced rates, the tender offer shall be corrected as follows:</p> <ul style="list-style-type: none"> a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the unit rate shall govern, and the line item total shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted and the unit rate shall be corrected. b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall be corrected. c) Where the unit rates are imbalanced the tenderer shall adjust such rates by increasing or decreasing them and selected others while retaining the total of the prices derived after any other corrections made under (a) and (b) above. <p>Where there is an omission of a line item, no correction is possible, and the offer may be declared non-responsive.</p> <p>Declare as non-responsive and reject any offer from a tenderer who elects not to accept the proposed correction of the; errors, omissions or imbalanced rates, and subject the tenderer to the sanction under C.2.16.2.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
3.9 cont...	
3.9.4 cont...	<p>The tenderer is required to submit balanced unit rates for rate only items in the pricing schedule. The rates submitted for these items will be taken into account in the evaluation of tenders.</p> <p>If the Form of Offer is submitted but the Pricing Schedule is omitted, where rate only items are applicable; or If a signed Form of Offer is submitted with an incomplete pricing schedule (no summary to tender) that does not balance back to the Form of Offer and the Pricing schedule is incomplete; or If a signed Form of Offer is submitted with an incomplete pricing schedule that does not balance back to the Form of Offer and only summary of Pricing Schedule submitted; then the rates cannot be evaluated and the tender shall be declared non-responsive</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11	<p data-bbox="336 358 813 394">Evaluation of tender offers</p> <p data-bbox="336 446 1818 525">The tender will be evaluated in terms of Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000).</p> <p data-bbox="336 578 1812 656">i. 80/20 preference point system for acquisition of goods and services for Rand value equal to or above R30 000 and up to R50 million</p> <p data-bbox="336 709 1586 745">The following formula will be used to calculate the points out of 80 for price:</p> <p data-bbox="336 798 710 833">$P_s = 80(1 - (P_t - P_m) / P_m)$</p> <p data-bbox="336 886 461 922">Where:</p> <ul data-bbox="336 975 1561 1103" style="list-style-type: none"> - P_s is the points scored for price of tender under consideration. - P_t is the price of the tender under consideration; and - P_m is the price of the lowest acceptable tender.

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11 cont...	<p>ii. 90/10 preference point system for acquisition of goods and services for Rand value above R50 million</p> <p>The following formula will be used to calculate the points out of 90 for price:</p> $P_s = 90(1 - (P_t - P_m) / P_m)$ <p>Where:</p> <ul style="list-style-type: none"> - P_s is the points scored for price of tender under consideration. - P_t is the price of the tender under consideration; and - P_m is the price of the lowest acceptable tender. <p>Points are based on a tenderer's scorecard measured in terms of the Broad-Based Black Economic Empowerment Act (B-BBEE, Act 53 of 2003 as amended in Act 46 of 2013) and the Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000).</p>

T1: TENDER DATA

CLAUSE	TENDER DATA																														
3.11 cont...	<p>Points awarded will be according to a tenderer's B-BBEE status level of contributor and summarised in the table below:</p> <table><tr><th>B-BBEE Status Level of contributor</th><th>Number of Points for financial value up to and including R50 000 000</th><th>Number of Points for financial value above R50 000 000</th></tr><tr><td>1</td><td>20</td><td>10</td></tr><tr><td>2</td><td>18</td><td>9</td></tr><tr><td>3</td><td>14</td><td>6</td></tr><tr><td>4</td><td>12</td><td>5</td></tr><tr><td>5</td><td>8</td><td>4</td></tr><tr><td>6</td><td>6</td><td>3</td></tr><tr><td>7</td><td>4</td><td>2</td></tr><tr><td>8</td><td>2</td><td>1</td></tr><tr><td>Non-compliant contributor</td><td>0</td><td>0</td></tr></table> <p>Eligibility for B-BBEE points is subject to the following conditions:</p> <p>1. A tenderer's scorecard shall be a B-BBEE Certificate issued in accordance with:</p> <ul style="list-style-type: none">– the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No. 41287 on 1 December 2017 by the Department of Trade and Industry; or– in the event that the Measured Entity operates in more than one sector or a sub-sector, the scorecard for the sector or sub-sector in which the majority of its core activities (measured in terms of annual revenue) are located will be acceptable. The tenderer must comply with the annual revenue thresholds for EME or QSE or Generic in accordance with the amended Construction Sector Codes; and	B-BBEE Status Level of contributor	Number of Points for financial value up to and including R50 000 000	Number of Points for financial value above R50 000 000	1	20	10	2	18	9	3	14	6	4	12	5	5	8	4	6	6	3	7	4	2	8	2	1	Non-compliant contributor	0	0
B-BBEE Status Level of contributor	Number of Points for financial value up to and including R50 000 000	Number of Points for financial value above R50 000 000																													
1	20	10																													
2	18	9																													
3	14	6																													
4	12	5																													
5	8	4																													
6	6	3																													
7	4	2																													
8	2	1																													
Non-compliant contributor	0	0																													

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11 cont...	<p>2. The scorecard shall be submitted as a certificate attached to Returnable Schedule Form C1; and</p> <p>3. The certificate shall:</p> <ul style="list-style-type: none"> – be valid at the tender closing date; and – have been issued by a verification agency accredited by the South African National Accreditation System (SANAS); or – be in the form of a sworn affidavit or a certificate issued by the Companies and Intellectual Property Commission in the case of an Exempted Micro Enterprise (EME) with a total annual revenue of less than R3 million if issued in accordance with the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No. 41287 on 1 December 2017 by the Department of Trade and Industry; and – have a date of issue less than 12 (twelve) months prior to the original advertised tender closing date (see Tender Data C.2.15); and <p>4. A valid BBBEE Certificates shall contain:</p> <ul style="list-style-type: none"> – Name of enterprise as per enterprise registration documents issued by CIPC, and enterprise business address. – Value-Added Tax number, where applicable. – The B-BBEE Scorecard against which the certificate is issued, indicating all elements and scores achieved for each element. The actual score achieved must be linked to the total points as per the relevant Codes. – B-BBEE status with corresponding procurement recognition level. – The relevant Codes used to issue the B-BBEE verification certificate.

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11 cont...	<ul style="list-style-type: none"> – Date of issue and expiry (e.g. 9 June 2018 to 8 June 2019). Where a measured entity was subjected to a re-verification process, due to material change, the B-BBEE Verification Certificate must reflect the initial date of issue, date of re-issue and the initial date of expiry. Re-verification does not extend the lifespan of the B-BBEE Verification Certificate. – Financial period which was used to issue the B-BBEE Verification Certificate. <p>5. A valid Sworn Affidavit shall contain:</p> <ul style="list-style-type: none"> – Name/s of deponent as they appear in the identity document and the identity number. – Designation of the deponent as either the director, owner or member must be indicated in order to know that person is duly authorised to depose of an affidavit. – Name of enterprise as per enterprise registration documents issued by the CIPC, where applicable, and enterprise business address. – Percentage black ownership, black female ownership and whether they fall within a designated group. – Indicate total revenue for the year under review and whether it is based on audited financial statements or management accounts. – Financial year-end as per the enterprise's registration documents, which was used to determine the total revenue. The valid format of the Financial Year-End is Day/Month/Year – B-BBEE status level. An enterprise can only have one status level. – Date deponent signed and date of Commissioner of Oath must be the same. – Commissioner of Oath cannot be an employee or ex officio of the enterprise because, a person cannot by law, commission a sworn affidavit in which they have an interest

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11 cont...	<p>6. Compliance with any other information requested to be attached to Returnable Schedule Form C1; and</p> <p>7. In the event of a Joint Venture (JV), a project-specific consolidated (SANRAL project number indicated) valid B-BBEE verification certificate in the name of the JV, issued by a verification agency accredited by the South African National Accreditation System (SANAS) shall be submitted.</p> <p>Sub-Regulation 6(5) and 7(5)</p> <p>If the tender documents indicate that the tenderer intends subcontracting more than 25% of the value of the contract to any other person not qualifying for at least the status level that the tenderer qualifies for, 0 (zero) points for preference shall be awarded, unless the intended subcontractor is an EME that has the capability to execute the subcontract and the value of the work is below the EME threshold.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
3.11 cont...	<p>Criteria for breaking deadlock</p> <p>If two or more tenders score the same number of points and these tenders are also the highest ranked tenders, the tender with the highest preference points will be recommended for award.</p> <p>If functionality is part of the evaluation process and two or more tenders score equal total points and equal preference points, the tender that scored the highest points for functionality will be recommended for award.</p> <p>If two or more tenders score the same number of financial points and preference points and these tenders are also the highest ranked tenders, the tenderer to be recommended for award will be decided by the drawing of lots.</p>

T1: TENDER DATA

CLAUSE	TENDER
3.13	<p>Acceptance of a tender offer</p> <p>The conditions stated in clauses C..13(a) to (f) of the Conditions of Tender as well as the following additional clauses C.3.13(g) to (k) shall be applied as objective criteria in terms of section 2(1)(f) of the Preferential Procurement Policy Framework Act, 2000 and as compelling and justifiable reasons in terms of Conditions of Tender clause 5.11:</p> <p>(g) the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;</p> <p>(h)the tenderer has not abused the Employer's supply chain management system;</p> <p>(i)the tenderer has not failed to perform on any previous contract and has not been given a written notice to this effect; and</p> <p>(j) the tenderer is tax compliant. The recommended tenderer who becomes non-compliant, prior to award, shall be notified and must become compliant within 7 working days of the date of being notified.</p> <p>A recommended tenderer who remains non-compliant after the 7 working days of being notified, shall be declared non-responsive.</p>

T1: TENDER DATA

CLAUSE	TENDER DATA
3.13 cont...	<p>(k) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer. The licensed compensation insurer shall be approved by Department of Labour in terms of Section 80 of the Compensation for Injury and Disease Act, 1993 (Act No. 130 of 1993).</p> <p>In addition to the requirements under paragraph (b) of the Conditions of Tender, in the event that a due diligence is performed as part of the tender evaluation, the due diligence report will be used to evaluate the tenderer's ability to perform the contract as stated in paragraph (b). The due diligence will evaluate the overall risk associated with the tender.</p> <p>The due diligence will take into consideration the following:</p> <ul style="list-style-type: none"> – Assessment of financial statements to assess the financial position of the tenderer and its ability to obtain the necessary guarantees or insurances, – Evaluation of managerial and technical ability & available resources in relation to the proposed tender, – Integrity Risk Evaluation, – Operations, Activities, Locations and Key Customers, – Reference checks from previous clients, and – Risk rating (i.e. High Risk, Medium to High risk, Medium risk or Low risk) of the tenderer

T1: TENDER DATA

CLAUSE	TENDER DATA												
3.13 cont...	<div>– Past Contracts comprising the following quantities of work completed satisfactorily and certified by the Engineer to demonstrate capacity and capability in relation to the proposed tender:</div> <table><tr><th>SANS CODE</th><th>DESCRIPTION</th><th>QUANTITY COMPLETED</th></tr><tr><td>10098</td><td>High Mast Installation</td><td>3No.</td></tr><tr><td>10098</td><td>Scissor Mast Installation</td><td>50No.</td></tr><tr><td>10142-1</td><td>Cable Installation</td><td>10000m</td></tr></table>	SANS CODE	DESCRIPTION	QUANTITY COMPLETED	10098	High Mast Installation	3No.	10098	Scissor Mast Installation	50No.	10142-1	Cable Installation	10000m
SANS CODE	DESCRIPTION	QUANTITY COMPLETED											
10098	High Mast Installation	3No.											
10098	Scissor Mast Installation	50No.											
10142-1	Cable Installation	10000m											

T1: TENDER DATA

CLAUSE	TENDER DATA
3.16	Registration of the award SANRAL will notify unsuccessful tenderers when the tender process has been concluded. Any unsuccessful tenderer may request a debriefing in writing as specified in clause C.3.18.
3.18	Provide written reasons for actions taken All requests shall be in writing.
SPECIAL CONDITIONS OF TENDER CLAUSES	
3.19	Jurisdiction Unless stated otherwise in the tender data, each tenderer and the Employer undertake to accept the jurisdiction of the law courts of the Republic of South Africa.



PART T2: RETURNABLE SCHEDULES

T2: RETURNABLE SCHEDULES

Notes to tenderer:

1. Returnable schedules have been based on the CIDB Standard for Uniformity in Construction Procurement and incorporate National Treasury requirements within them. Returnable schedules are separated into the following categories:
 - Forms, certificates and schedules for completion by the tenderer for use in the quantitative and qualitative evaluation of the tender (Forms A to E)
 - A list of all returnable documents for completion by the tenderer (Form F1)
2. **Failure to submit fully completed relevant returnable documents may render such a tender offer non-responsive.**
3. Tenderers shall note that their signature appended to each returnable form represents a declaration that they vouch for the accuracy and correctness of the information provided.
4. Notwithstanding any check or audit conducted by or on behalf of the Employer, the information provided in the returnable documents is accepted in good faith and as justification for entering into a contract with a tenderer. If subsequently any information is found to be incorrect such discovery shall be taken as wilful misrepresentation by that tenderer to induce the contract. In such event:
 - a. the Employer shall inform the tenderer and give the tenderer an opportunity to make representations within 14 days as to why the tender submitted should not be disqualified and as to why the tenderer should not be restricted by the National Treasury from conducting any business with any organ of state for a period not exceeding 10 years;
 - b. if the Employer has already entered into a contract with the Tenderer, the Employer has the discretionary right under FIDIC Particular Condition 15.2(g) to terminate the contract.
5. These forms must be completed in non-erasable ink and any alterations made prior to tender closure countersigned by an authorised signatory.

T2: RETURNABLE SCHEDULES

LIST OF RETURNABLE DOCUMENTS

FORM	CERTIFICATE CONFIRMING THAT THE TENDERER READ THE PRESENTATION BRIEFING	TICK IF COMPLETED
A1	CERTIFICATE OF INTENTION TO SUBMIT A TENDER	
A1.1	CERTIFICATE OF AUTHORITY FOR SIGNATORY	
A2.1	DECLARATION OF TENDERER'S CURRENT STATUS OF ANY DEBT OUTSTANDING TO SANRAL	
A2.2	CERTIFICATE OF SINGLE TENDER SUBMISSION	
A2.3	CERTIFICATE OF FRONTING PRACTICES	
A2.4	DECLARATION OF DOMESTIC PROMINENT INFLUENTIAL PERSONS, FOREIGN PROMINENT PUBLIC OFFICIALS OR FOREIGN INFLUENTIAL NATIONALS (DPIPs, FPPOs OR FINs)	
A2.5	CERTIFICATE OF PERMISSION TO CONDUCT DUE DILIGENCE INVESTIGATION	
A2.6	BIDDER'S DISCLOSURE	
A3.1 / SBD4	CERTIFICATE OF INDEPENDENT TENDER – REPEALED & NOT APPLICABLE	
A3.2 / SBD9	DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES – REPEALED & NOT APPLICABLE	Repealed
A3.3 / SBD8	REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIER DATABASE	Repealed
A3.4	DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS	
A3.5	LOCAL CONTENT DECLARATION: SUMMARY SCHEDULE	
A3.6	SCHEDULE OF DEVIATIONS OR QUALIFICATIONS BY TENDERER	
A4	SCHEDULE OF ADDENDA TO TENDER DOCUMENTS	

FORM	LIST OF RETURNABLE DOCUMENTS	TICK IF COMPLETED
A5	CERTIFICATE OF TAX COMPLIANCE	
A6 / SBD2	CERTIFICATE OF INSURANCE COVER	
A7	TENDERER'S REGISTERED FINANCIAL SERVICE PROVIDER LETTER AND BANK DETAILS	
A8	SCHEDULE OF TENDER'S LITIGATION HISTORY	
A9.1	ENVIRONMENTAL, SOCIAL, HEALTH, AND SAFETY PERFORMANCE DECLARATION	
A9.1	SCHEDULE OF TENDER'S LITIGATION HISTORY	
A9.2	ENVIRONMENTAL, SOCIAL, HEALTH, AND SAFETY PERFORMANCE DECLARATION	
A10	SCHEDULE OF CURRENT COMMITMENTS	
A11	CERTIFICATE OF COMPLIANCE WITH COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT NO. 130 OF 1993)	
A12	CERTIFICATE OF REGISTRATION WITH CIDB	
A13	FORM SBD1 – INVITATION TO BID AND TERMS AND CONDITIONS FOR BIDDING	
B1	CONTRACTORS ESTABLISHMENT ON SITE	
B2	SCHEDULE OF SPECIAL MATERIALS	
C1.1	TENDERER'S B-BBEE VERIFICATION CERTIFICATE	
C1.2 / SBD6.1	PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017	

T2: RETURNABLE SCHEDULES

LIST OF RETURNABLE DOCUMENTS

FORM	LIST OF RETURNABLE DOCUMENTS	TICK IF COMPLETED
D1	SCHEDULE OF TENDERER'S PLANT AND EQUIPMENT	
D2	TENDERER'S METHOD STATEMENT	
D3	TENDERER'S ORGANISATION AND STAFFING	
D4.1	TENDERER'S KEY PERSONNEL EXPERIENCE (Contracts Director)	N/A
D4.2	TENDERER'S KEY PERSONNEL EXPERIENCE (Contracts Manager)	
D4.3	TENDERER'S KEY PERSONNEL EXPERIENCE (Construction manager (Contractor's Representative))	
D4.4	TENDERER'S KEY PERSONNEL EXPERIENCE (Registered Electrician)	
D4.5	TENDERER'S KEY PERSONNEL EXPERIENCE (Safety Officer)	
D5.1	TENDERER'S EXPERIENCE BASED ON COMPLETED PROJECTS	
D5.2	TENDERER'S EXPERIENCE BASED ON PROJECTS IN PROGRESS	
D6	TENDERER'S INDICATIVE PROGRAMME	
D7	SCHEDULE OF ESTIMATED MONTHLY EXPENDITURE	
D8	SCHEDULE OF SUBCONTRACTORS	
D9	CORPORATE SOCIAL INVESTMENT	

FORM	LIST OF RETURNABLE DOCUMENTS	TICK IF COMPLETED
E1	QUALITY ASSURANCE: UTFC	N/A
E2	PERFORMANCE REPORT: UTFC	N/A
E3	CONSTRAINTS FOR UTFC PRODUCTS AND PROCESSES	N/A
E4	WIRE ROPE INFORMATION	N/A
E5	LUMINAIRE COMPLIANCE AND PHOTOMETRIC FILES	
E6	LUMINAIRE LIFE CYCLE COSTS	
E7	ELECTRICAL SCHEDULE OF MATERIALS	
C1.1.1 / SBD7	FORM OF OFFER	
C1.2.3	CONTRACT DATA – INFORMATION PROVIDED BY THE TENDERER	
C2.2 / SBD3	PRICING SCHEDULE	
C.2.3	SUMMARY OF PRICING SCHEDULE	

4. VOLUME 3: BOOK 2

SANRAL



BUILDING SOUTH AFRICA
THROUGH BETTER ROADS



PART C1: AGREEMENTS AND CONTRACT DATA

C1: AGREEMENTS AND CONTRACT DATA

C1.2.1 CONDITIONS OF CONTRACT

The Conditions of Contract for Construction (1999 edition) published by the Federation Internationale des Ingenieurs-Conseils (FIDIC), as amended, shall apply to this contract. The amendments are those published by FIDIC and reproduced hereafter, together with additional amendments (particular conditions of contract) as prescribed by the South African National Roads Agency SOC Limited

C1.1.1 FORM OF OFFER

- Ensure that **amount in words** corresponds with **amount in figures** on the Pricing Schedule
- Ensure that **Preference Claimed** is completed
- Ensure that Form of Offer is signed by **authorised person** and **two witnesses**.

C1: AGREEMENTS AND CONTRACT DATA

C1.2.2 APPENDIX TO TENDER: CONTRACT DATA - INFORMATION PROVIDED BY THE EMPLOYER

<u>Item</u>	<u>CI No</u>	<u>Data</u>
Access to the site	2.1	As stated in the form of acceptance

*** After receiving the Letter of Acceptance, the Contractor shall be given right of access to all or part of the Site.**

<u>Item</u>	<u>CI No</u>	<u>Data</u>
Performance Security	4.2	10% of Contract Value

* Currency – ZAR (South African Rand only)

C1: AGREEMENTS AND CONTRACT DATA

C1.2.2 APPENDIX TO TENDER: CONTRACT DATA - INFORMATION PROVIDED BY THE EMPLOYER

<u>Item</u>	<u>CI No</u>	<u>Data</u>
Special non-working hours/days	6.5	<ul style="list-style-type: none">a) All designated public holidays (including all foreseeable statutory declared election days)b) The annual shut-down period between December and Januaryc) Day before Easter Weekendd) Day of State school term closure and day prior to State school term starte) Other non-working days and restricted working hoursf) Sundaysg) Between sunset and sunrise

<u>Item</u>	<u>CI No</u>	<u>Data</u>
Minimum amount of Interim Payment Certificate	14.3 (c)	<p>Percentage: 10% of Value of Completed Work</p> <p>Limit: 5% of the Accepted Contract Amount</p> <p>Guarantee: This will be considered provided that the tenderer submits his proposal as an alternative tender and provided that a discount equal to or more than R300 000 is offered.</p>

5. VOLUME 3: BOOK 3

SANRAL



BUILDING SOUTH AFRICA
THROUGH BETTER ROADS



BOOK 3 – PART C2

PART C2: PRICING DATA

BOOK 3 – PART C3

PART C3: SCOPE OF WORKS

BOOK 3 – PART C4

PART C4: PROJECT INFORMATION

BOOK 3 – PART C5

PART C5: ANNEXURES



PART C2: PRICING DATA

C2: PRICING DATA

C2.1 PRICING INSTRUCTIONS

C2.2 PRICING SCHEDULE

C2.3 SUMMARY OF PRICING SCHEDULE



PART C3: SCOPE OF WORK

C3: SCOPE OF WORKS

SECTION A1: STANDARD AMENDMENTS ISSUED BY COTO

SECTION A2: PROJECT SPECIFICATION AMENDMENTS TO THE COTO STANDARD SPECIFICATIONS

SECTION B: SPECIFICATION DATA

SECTION C: ENVIRONMENTAL MANAGEMENT PLAN

SECTION D: STAKEHOLDER AND COMMUNITY

SECTION E: REQUIREMENTS FOR OHS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Scope

The work required is the new lighting installation on the N12 National road, Section 15 from KM 71.00 to KM 76.50.

The Electrical work includes the following:

- This contract is for the installation of new street lighting at the National Route N12, Motlosana (Klerksdorp) in the North West Province.
- The Street Lighting scope consists of the installation of galvanised scissor masts and high masts with single and back to back lighting configuration for installation.
- The lighting shall be to SANRAL specifications and SANS / IEC 10098. Interchange to SANS 10098.
- Also forming part of the contract is the supply and installation of an electronic security system and Lighting Management system to monitor and control all assets installed under this contract.

Route Information	Route	Section	From Km Marker	To Km Marker	Total km
Matlosana National Road	N12	15	71	76.30	5.30 km

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Time for completion

The Time for Completion of the Works shall be fifteen Months from the Commencement Date which includes three (3) months mobilisation period.

The Service Provider shall programme its duties in such a manner so as to complete the various phases of the total project within the milestone dates in this table.

	Project Phase	Phase Completion Date
A	Tender Advertisement for the Works	Thu 01 September 2022
B	Tender Closure for the Works	Thu 29 September 2022
C	Submission of Tender Evaluation Report	Thu 10 November 2022
D	Appoint Contractor	Fri 09 December 2022
E	Works Contract Handover	Mon 16 January 2023
F	Mobilization period (3 Months)	Fri 31 March 2023
G	Completion of Installation programme	Sun 31 March 2024
H	Completion of 1 year Maintenance Programme	Mon 31 March 2025
I	Submission of Completed Documentation	Wed 30 April 2025

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Drawings

The following drawings are part of the SANRAL standard electrical drawings

Drawing No.	Title
TD-E-P-1000-1-V1	Anti-Vandal MSS
TD-E-P-1001-1-V1	AntiVandal MSS with Electronic Security
TD-E-P-1002-1-V1	Anti-Vandal Kiosk
TD-E-P-1003-1-V1	AntiVandal Kiosk with Electronic Security
TD-E-P-2000-1-V1	Anti-Vandal Pole 6-12 m
TD-E-P-2001-1-V1	Anti-Vandal Pole with Electronic Security
TD-E-P-3000-1-V1	LV Cable Trench
TD-E-P-3001-1-V1	MV Cable Trench
TD-E-P-3002-1-V1	Sleeve Installation
TD-E-P-4000-1-V1	LMS Topology
TD-E-P-4001-1-V1	Nema Socket on Luminaire
TD-E-P-6000-1-V1	Labeling & Tagging Detail

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Drawings

The following drawings are part of the tender and should be priced accordingly.

Electrical Layout Plan	Consultant Drawing No.	Drawing Size	Drawing Scale	SANRAL Drawing No #	VER
Electrical Layout Plan 01	DNA-N12-ELE-PL-L01	A0	1:500	19212462	V01
Electrical Layout Plan 02	DNA-N12-ELE-PL-L02	A0	1:500	19212094	V01
Electrical Layout Plan 03	DNA-N12-ELE-PL-L03	A0	1:500	19212635	V01
Electrical Layout Plan 04	DNA-N12-ELE-PL-L04	A0	1:500	19212364	V01
Electrical Layout Plan 05	DNA-N12-ELE-PL-L05	A0	1:500	19212176	V01
Electrical Layout Plan 06	DNA-N12-ELE-PL-L06	A0	1:500	19212268	V01
Electrical Layout Plan 07	DNA-N12-ELE-PL-L07	A0	1:500	19212731	V01
Electrical Layout Plan 08	DNA-N12-ELE-PL-L08	A0	1:500	19212461	V01
Electrical Layout Plan 09	DNA-N12-ELE-PL-L09	A0	1:500	19212092	V01
Electrical Layout Plan 10	DNA-N12-ELE-PL-L10	A0	1:500	19212633	V01
Electrical Layout Plan 11	DNA-N12-ELE-PL-L11	A0	1:500	19212531	V01
Civil Layout Plan 01	DNA-N12-CIV-PL-L01	A0	1:500	19212093	V01
Civil Layout Plan 02	DNA-N12-CIV-PL-L02	A0	1:500	19212634	V01
Civil Layout Plan 03	DNA-N12-CIV-PL-L03	A0	1:500	19212532	V01
Civil Layout Plan 04	DNA-N12-CIV-PL-L04	A0	1:500	19212365	V01
Civil Layout Plan 05	DNA-N12-CIV-PL-L05	A0	1:500	19212177	V01
Civil Layout Plan 06	DNA-N12-CIV-PL-L06	A0	1:500	19212732	V01
Civil Layout Plan 07	DNA-N12-CIV-PL-L07	A0	1:500	19212270	V01

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Special design consideration

ELECTRONIC SECURITY SYSTEM FOR KIOSKS

The enclosure and cage shall be fitted with the following electronic security: (i) electronically activated locking mechanism per door, (ii) door sensors, (iii) vibration sensor on kiosk and cage. (iv) an electronic back-up / override system



C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Special design consideration

ELECTRONIC SECURITY SYSTEM FOR MASTS & LIGHT FITTINGS

The mast shall be fitted with the following electronic security: (i) electronically activated locking mechanism per door, (ii) door sensors, (iii) vibration sensor on mast. (iv) an electronic back-up / override system. Light fitting to have a LMS Controller mounted via a 7 Pin Nema



SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Special design consideration

LIGHTING MANAGEMENT SYSTEM (LMS)

Supply, install and commission a Lighting Management System suitable to the client's requirements. The user interface and central point of control of the lighting management system is via the Central Management System (CMS) component of the system. Some of the required features being:


- Real-time control
- Equipment failure reporting
- Energy consumption monitoring
- Equipment inventory
- Equipment failure analysis
- Event scheduling
- Work Orders generation

C3: SCOPE OF WORKS

SECTION F: PROJECT SPECIFICATION FOR ELECTRICAL

Special design consideration


SANRAL's ECMS




SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg. No. 1996/00954/00


User Manual SOP

 Master Dash

 System Manager

 LMS Dash


 EMS Dash

 Gateway Dash

 Override Dash


 Combo Sensor Dash

 Task Dash

 Logout, shahzb@dnaengineers.co.za (SANRAL - Eastern Region)

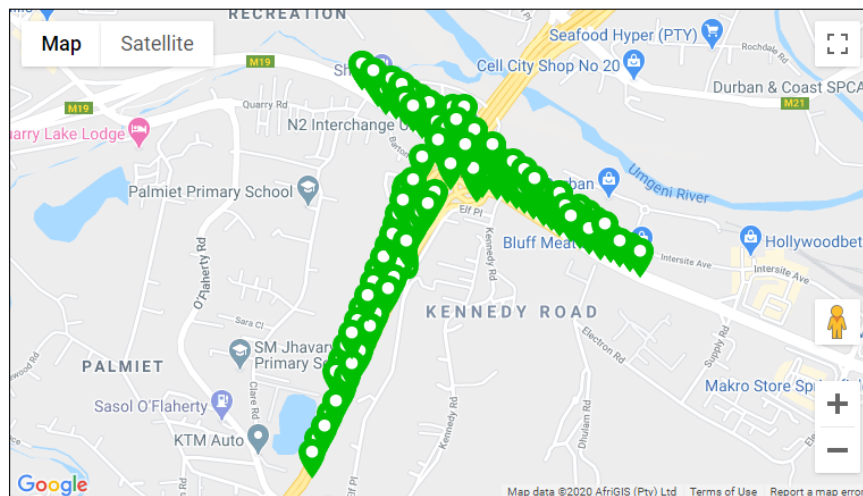
MASTER DASHBOARD















AREA GROUP/S: ☐ Umdloti ☒ Umgeni



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ALARMS / ALERTS / GENERAL INFORMATION



Enclosure Controller (EC)	<input checked="" type="checkbox"/>	Light Controller (LC)	<input checked="" type="checkbox"/>	Light Status (LS)	<input checked="" type="checkbox"/>
					
Gateway (GW)	<input checked="" type="checkbox"/>	Combo Sensor (CS)	<input checked="" type="checkbox"/>	Override Unit (OU)	<input checked="" type="checkbox"/>
					
Status of Enclosure Controllers, Light Controllers, Gateways & Sensors					
					
HEALTHY DEVICES	DEVICES ALARMS	DEVICE POWER ALERTS	DEVICE BATTERY ALERTS	DEVICE COMM. ALERTS	USER AUTH COMMAND
					
		LIGHTS ON	LIGHTS OFF		

PART C4: PROJECT INFORMATION

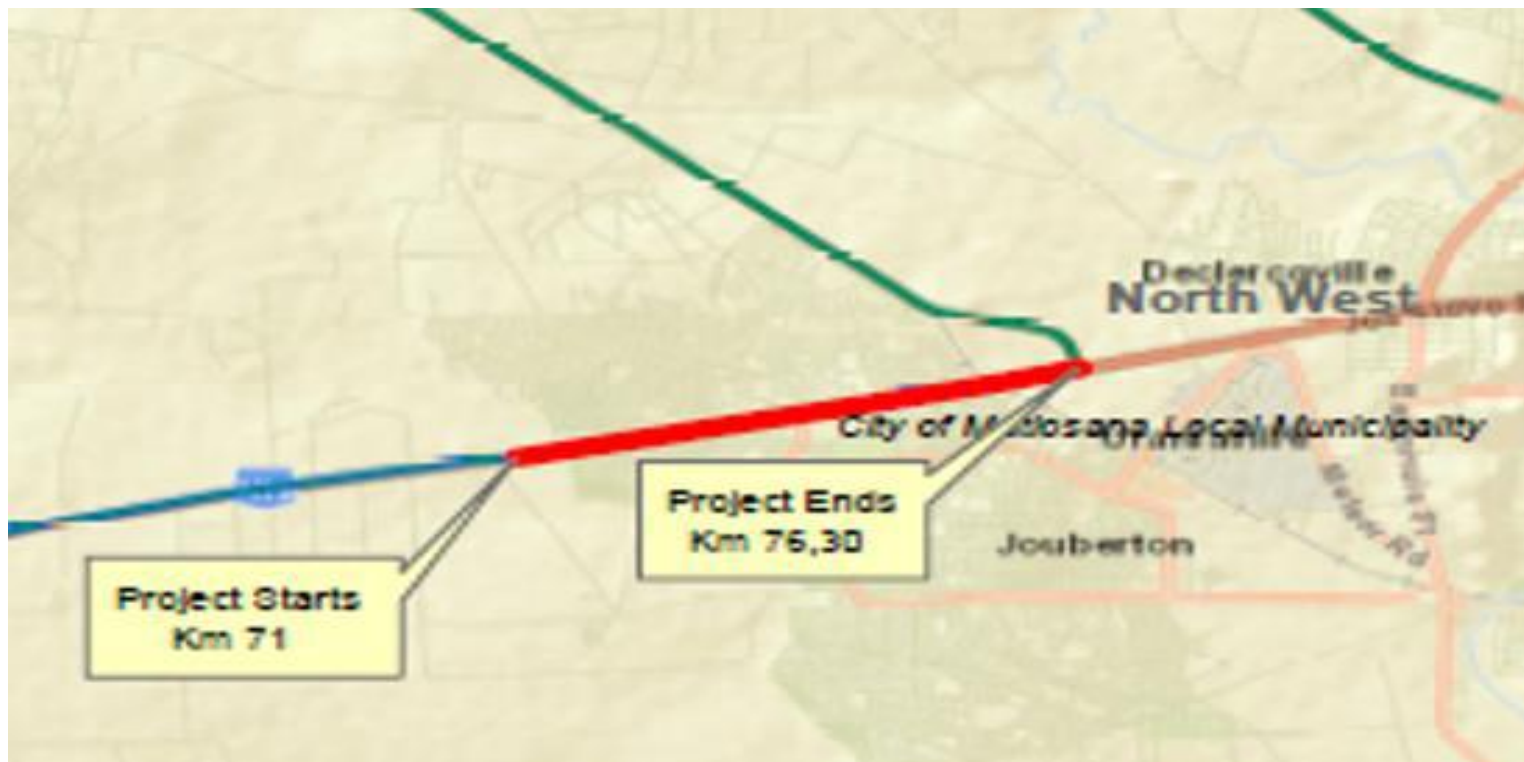
SANRAL



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THROUGH BETTER ROADS

PART C4: PROJECT INFORMATION

Route Information	Route	Section	From Km Marker	To Km Marker	Total km
Matlosana National Road	N12	15	71	76.30	5.30 km



10. CLOSING/END

SANRAL



BUILDING SOUTH AFRICA
THROUGH BETTER ROADS

QUERIES

- All queries to be addressed to **SANRAL SCM Officer**
- **Tender Reference number must be on all correspondence**
- email: ProcurementNR3@sanral.co.za
 - Form A1.1 to be submitted by those who have not done so already
 - Tender Close: **THURSDAY, 29 SEPTEMBER 2022 AT 11H00**

THANK YOU

SANRAL web address: www.nra.co.za

SANRAL Fraud Hotline: 0800 204 558

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