

# COMPULSORY CLARIFICATION BRIEFING MEETING

NRA 2024/1349

CONTRACT SANRAL C.003-051-2018/1

FOR COMMUNITY DEVELOPMENT PROJECTS ON THE UPGRADING OF  
NATIONAL ROAD R61 SECTION 6 FROM TSOJANA (KM 7.3) TO TSOMO  
RIVER (KM 22.9)

WEDNESDAY, 9 JULY 2025

**SANRAL**



# AGENDA



1 WELCOME

2 PROJECT OVERVIEW

3 DOCUMENTATION  
(VOLUME 3)

4 SCOPE OF WORK

5 PROJECT SPECIFICATIONS

6 QUESTIONS AND ANSWERS

All questions during the tender period to be addressed to email address provided under clause C1.4 of the tender data. Any questions asked in this meeting will be recorded in the minutes and issued to all tenderers.

# WELCOME

# SANRAL



BUILDING SOUTH AFRICA  
THROUGH BETTER ROADS

## EMPLOYER:

1. SANRAL (Southern Region)
2. PLC and PLO (process to establish is underway)

**SANRAL**



BUILDING SOUTH AFRICA  
THROUGH BETTER ROADS

## **REVISION OF CONTRACT NUMBER**

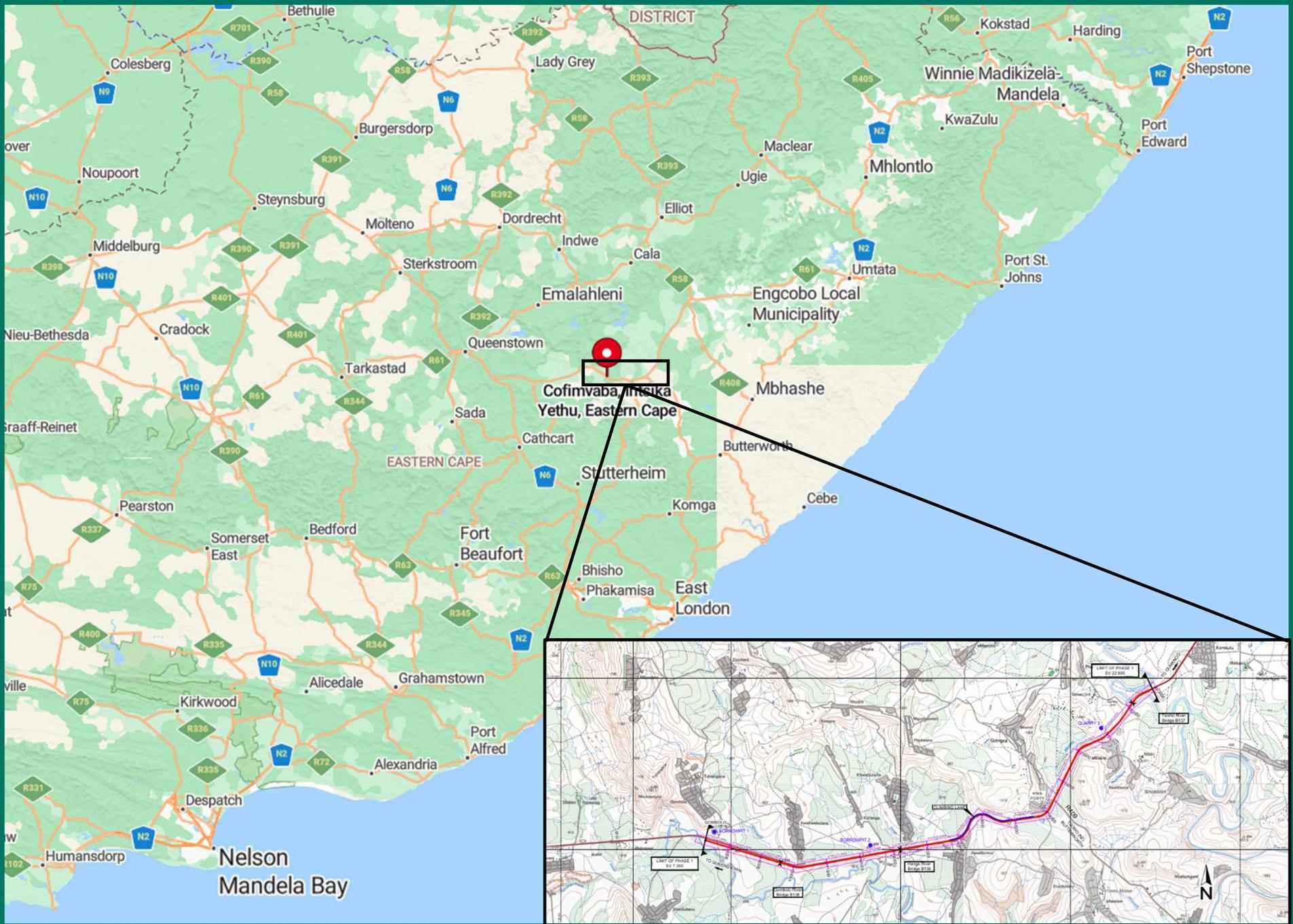
The Procurement Number for the Community Development Projects on the Upgrading on National Route R61 Section 6 from Tsojana (km 7.3) to Tsomo River (km 22.9) is NRA 2024/1349 and the Contract Number is CONTRACT SANRAL C.003-051-2018/1.

These two numbers shall be deemed to have the same meaning.

# PROJECT OVERVIEW

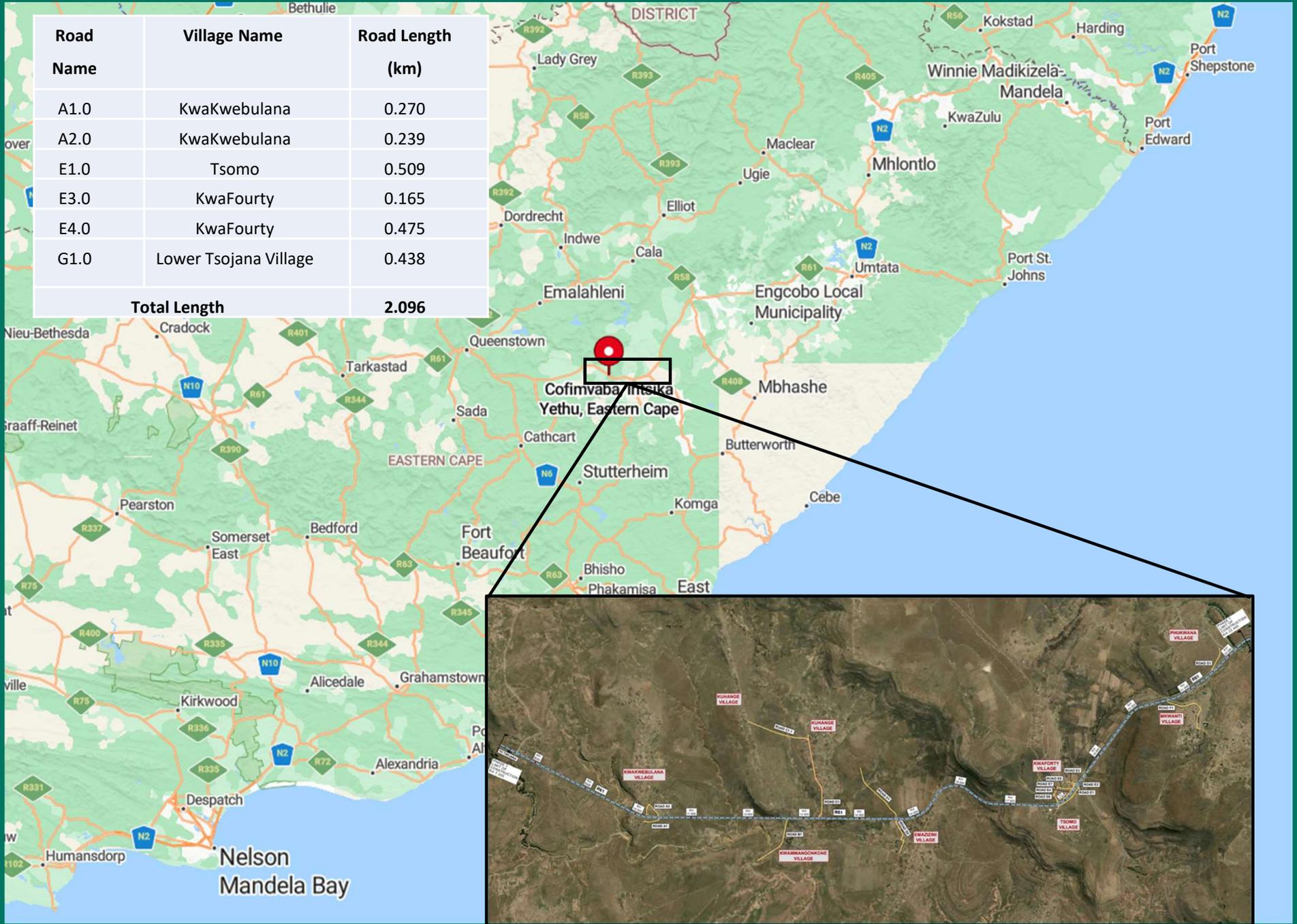
## PROJECT OVERVIEW

- The project entails the **construction of new** and **upgrading** of existing **access roads** located along National Route R61 Section 6 starting at the upper Tsojana intersection at km 7.3 and ending at km 22.4 just after crossing the Tsomo River near Mkwiti Village.
- It also includes ancillary works including the construction of drainage works, guardrails and road signs.
- The contract is located within the **Chris Hani District Municipality** and falls within the **province of the Eastern Cape**.



Locality Plan – R61

Road Name	Village Name	Road Length (km)
A1.0	KwaKwebulana	0.270
A2.0	KwaKwebulana	0.239
E1.0	Tsomo	0.509
E3.0	KwaFourty	0.165
E4.0	KwaFourty	0.475
G1.0	Lower Tsojana Village	0.438
<b>Total Length</b>		<b>2.096</b>



Locality Plan C.003-051-2018/1

DOCUMENTATION

## **DOCUMENTATION**

### **CONTRACT DOCUMENTS**

- Volume 1 : FIDIC Conditions of Contract (1999)
- Volume 2 : COTO Standard Specifications (Oct 2020)
- Volume 3 : Project Document
- Volume 4 : The Road Works Drawings
- Volume 7 : The Environmental Management Plan Report

### **REVISION OF CONTRACT NUMBER**

- The Procurement Number for the Community Development Projects on the Upgrading on National Route R61 Section 6 from Tsojana (km 7.3) to Tsomo River (km 22.9) is NRA 2024/1349 and the Contract Number is CONTRACT SANRAL C.003-051-2018/1. These two numbers shall be deemed to have the same meaning.

## **DOCUMENTATION**

### CONDITIONS OF TENDER

- The conditions of tender are the standard conditions of tender as contained in Annexure C of the CIDB STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS as per Government Notice No. 423 published in Government Gazette No. 42622 of 08 AUGUST 2019 and as amended from time to time. (see [www.cidb.org.za](http://www.cidb.org.za)).

## **DOCUMENTATION**

### **CONDITIONS OF TENDER**

- Clause 3.11
- **Stage 1 Test for responsiveness** as outlined by the clause C3.8.
  - Tenderer must pass all Mandatory Criteria to proceed to next stage of Evaluation
- **Stage 2 Mandatory Administration Criteria**
  1. Completed in full and signed Form of offer
  2. Tenderer is registered with CSD
  3. Tenderer has Valid Letter of Good Standing issued in accordance COIDA.
  4. Attendance of compulsory briefing session.
  5. Lead Tenderer is CIDB contractor grading of 7CE (6CE Emerging Contractors will be acceptable)
  6. 1X Contract Manager has an active professional registration with Engineering Council of South Africa as Professional Engineer or Professional Technologist/ SACPCMP as Construction Manager/ Construction Project Manager

## **DOCUMENTATION**

### **CONDITIONS OF TENDER**

- Clause 3.11
- **Stage 2 Mandatory Administration Criteria...continue**
  7. 1X Construction Manager has an active professional registration with Engineering Council of South Africa as Professional Engineer or Professional Technologist SACPCMP as Construction Manager/ Construction Project Manager
  8. 1X Construction Health and Safety Officer (CHSO) has an active registered as CHSO with SACPCMP

# DOCUMENTATION

## CONDITIONS OF TENDER

- Clause 3.11
- **Stage 3 Functionality Evaluation Criteria**
  - Overall **minimum** threshold of **75 points out of 100** is required to be achieved for the tender to be **eligible for further evaluation**.

Evaluation Criteria	Minimum points	Maximum points
<p><b>1.Relevant Company TrainingExperience</b></p> <p>Tenderer's shall have experience in providing accredited training and skills development for members of an identified Community, as well as Trainee Targeted Enterprises, for the construction of roadworks.</p> <p>Tenderer shall submit list of projects relevant to this tender scope of work which have been successfully completed within the last 15 years. Contactable client reference details/letter and relevant project details are required for the stated projects.</p> <p><b>Maximum of 6 projects will be evaluated:</b></p> <p>(i) Zero (0) relevant training projects. <b>[0 points]</b></p> <p>(ii) One (1) to Six (6) relevant training projects <b>[4 points per project]</b></p>	<p><b>12</b></p>	<p><b>24</b></p>



## DOCUMENTATION CONDITIONS OF TENDER

- **Clause 3.11: Stage 3 Functionality Evaluation Criteria...continue**

<p><b>1. Relevant Company Construction and Construction Management Experience</b></p> <p>Tenderer's shall have experience in the Construction of roadworks or the Construction Management of roadworks done by subcontractors. Tenderers shall list only those projects that have been successfully completed within the last 15 years. Contactable client reference details/letter and relevant project details are required for the stated projects.</p> <p><i>Maximum of 6 projects will be evaluated</i></p> <p>(i) Zero (0) relevant construction or construction management projects <b>[0 points]</b></p> <p>(ii) One (1) to Six (6) relevant construction or construction management projects. <b>[4 points per project]</b></p>	<p><b>12</b></p>	<p><b>24</b></p>
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## DOCUMENTATION CONDITIONS OF TENDER

- **Clause 3.11: Stage 3 Functionality Evaluation Criteria...continue**

<p><b>2. Key Personnel</b></p> <p>Tenderer shall submit list of projects relevant to this tender scope of work which have been successfully completed within the last 15 years.</p>		
<p><b>Maximum of 4 projects will be evaluated</b></p> <p><b>2.1 Contract Manager Relevant Project Experience</b></p> <p>(i) If project has a construction value of R0 and up to but excluding R6 Million (inclusive of VAT) <b>[0]</b></p> <p>(ii) If project has a construction value of R6 Million and up to but excluding R20 Million (Inclusive of VAT) <b>[1]</b></p> <p>(iii) If project has a construction value of R20 Million and up to but excluding R60 Million (Inclusive of VAT) <b>[2]</b></p> <p>(iv) If project has a construction value of R60 Million or more (inclusive of VAT) <b>[4]</b></p>	<p><b>9</b></p>	<p><b>18</b></p>
<p><b>Contract Manager Qualification</b></p> <p>Tenderers shall submit proof of qualification</p> <p>(i) Minimum National Diploma in Civil Engineering/NQF 6 in Civil Engineering <b>[1]</b></p> <p>(ii) NQF 7 in Civil Engineering or higher <b>degree [2]</b></p> <p>Tenderer shall submit proof of qualification</p>		



## DOCUMENTATION CONDITIONS OF TENDER

- Clause 3.11: Stage 3 Functionality Evaluation Criteria...continue

<p><b>Relevant Project Experience</b></p> <p>Tenderers shall list only those projects that have been successfully completed within the last 15 years.</p> <p><b>Maximum of 4 projects will be evaluated</b></p> <p><b>2.2 Construction Manager Relevant Project Experience</b></p> <p>(i) If project has a construction value of R0 and up to but excluding R6 Million (inclusive of VAT) <b>[0]</b></p> <p>(ii) If project has a construction value of R6 Million and up to but excluding R20 Million (Inclusive of VAT) <b>[1]</b></p> <p>(iii) If project has a construction value of R20 Million and up to but excluding R60 Million (Inclusive of VAT) <b>[2]</b></p> <p>(iv) If project has a construction value of R60 Million or more (inclusive of VAT) <b>[4]</b></p>	<p><b>9</b></p>	<p><b>18</b></p>
<p><b>Construction Manager Qualification</b></p> <p>(i) Minimum National Diploma in Civil Engineering/NQF 6 in Civil Engineering <b>[1]</b></p> <p>(ii) NQF 7 in Civil Engineering or higher degree <b>[2]</b></p> <p>Tenderer shall submit proof of qualification</p>		



## DOCUMENTATION CONDITIONS OF TENDER

- **Clause 3.11: Stage 3 Functionality Evaluation Criteria...continue**

<p><b>2.3 Construction Health and Safety Officer Project experience.</b></p> <p>Tenderers shall list only those projects that have been successfully completed within the last 15 years.</p> <p><b>Maximum of 4 projects will be evaluated</b></p> <p>(i) If project has a construction value of R0 and up to but excluding R6 Million (inclusive of VAT) <b>[0]</b></p> <p>(ii) If project has a construction value of R6 Million and up to but excluding R20 Million (Inclusive of VAT) <b>[1]</b></p> <p>(iii) If project has a construction value of R20 Million and up to but excluding R60 Million (Inclusive of VAT) <b>[2]</b></p> <p>(iv) If project has a construction value of R60 Million or more (inclusive of VAT) <b>[4]</b></p>	<p><b>8</b></p>	<p><b>16</b></p>
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## **DOCUMENTATION**

### **CONDITIONS OF TENDER**

- **Clause 3.11: Stage 4: Price and Preference Scoring**
  - This is the final stage of the evaluation process and will be based on the PPPFA preference point system
  - Tenderers will be ranked by applying the preferential point scoring 90/10 for bids with the rand value above R50 million.
- In addition to the electronic tender briefing, it is advised that tenderers conduct a physical site visit.
- Any questions and clarifications of a technical or contractual nature arising from the visits shall be submitted as Tender Clarification Questions.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- FIDIC Conditions of Contract
- Particular Conditions of Contract – **Clause 1.5 Priority of Documents**
- **Clause 2.1** “Right of Access to the Site” subject to:
  - Performance Security
  - Permit from Department of Labour in place
  - Contract Participation Plan (CPG Plan) being accepted
- **Clause 2.1** “Delayed Access to part(s) of the Site”
  - Not applicable to this Contract.
- **Clause 4.2** “Performance Security”
  - Submit at least 7 working days prior to Commencement
  - **One** Performance Security **totaling 10%** of the Accepted Contract Amount (excluding VAT) is required.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- Clause 4.4 “Sub-Contractors”
- Clause 6.1 “Engagement of Staff and Labour”
  - Transport of labour shall be arranged through the **use of local public transport service providers.**
- Clause 8.1 “Commencement of Work”
  - Envisage that an **award** will take place in **Feb/Mar 2026** with a site handover / commencement in **Mar/Apr 2026.**

## DOCUMENTATION

### CONDITIONS OF CONTRACT

#### Clause 8.3 “Programme submission”

- The Contractor shall submit a programme for the Mobilisation Period to the Engineer at least 7 days prior to the Commencement Date.
  
- Time for completion of construction is 26 calendar months, which includes a 3-month Mobilisation Period.
  
- Subcontractors and Suppliers
  - The contractor shall disclose **ALL** subcontracting arrangements. If the contractor fails to disclose, he shall be given 14 days to make representation as to why:
    - the contract shall not be terminated,
    - the contractor shall not be penalised up to 10% of the value of the contract.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

#### Subcontractors and Suppliers... continued

- All subcontractors and suppliers shall be registered on the National Treasury's Central Supplier Database (CSD)
- All Subcontractors shall be in good standing in terms of COIDA and shall be registered with the Bargaining Council for the Civil Engineering Industry or other relevant Bargaining Council, i.e.
  - rates for wages and conditions of labour agreed by the Bargaining Council for the Civil Engineering Industry shall apply to the Contractor and all his Subcontractors except where a specific industry publishes its own wage rates and conditions of labour.
- All Subcontractors shall be registered with the CIDB in the appropriate category for the class of work to be performed.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- **Special Non-working days**
  - All designated public holidays (incl. foreseeable statutory declared election days)
  - SAFCEC annual shutdown period
  - Day before Easter Weekend
  - Day of State school term closure and day prior to State school term start
  - Sundays
  - Between sunset and sunrise
- **Embargo Period**
  - No embargo period is applicable to the construction of asphalt surfacing layers. The requirements of the specification regarding temperature and other weather limitations shall however apply to such work.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- Penalty for late completion R15 000.00 per day
- Other Non-compliance charges
  - Accommodation of traffic non-compliance as specified in C3 Clause A1.5.3.7:
    - (i) Fixed penalty – R20 000.00/occurrence.
    - (ii) Time related penalty – R2 000.00/hour.
  - **Overloading** – 2 x Unit Rate of material hauled x overload factor x distance hauled as specified in Part C3 clause A1.7.7 the Scope of Works.
  - **Contract Participation Targets** – Calculated as per D1003.05
  - **Contract Skills Development Goal Penalty** – Calculated as per D1010.02
  - **Subcontracting without disclosure or non-compliance to subcontract agreement requirements or failure to comply with responsibilities towards Targeted Enterprises (as per D1008(b))**

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- Special Materials (A13.8)
  - Bitumen binder extracted from petroleum-based products and used on site. Including that used in asphalt, irrespective of whether it is produced and/or placed by the contractor or an approved sub-contractor
- Retention money (A14.3)
  - Percentage: 10% of the value of work.
  - Limit: 5% of the Accepted Contract Amount (Including VAT).
  - 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 R 600 000.00 is offered.

## DOCUMENTATION

### CONDITIONS OF CONTRACT

- **Clause 20.3:** Any mediation referred to in Sub-Clause 20.2(e) shall be conducted by a mediator selected by agreement between the Parties or, failing such agreement within 7 days after a written request by either Party for such agreement, nominated on the application of either Party by the President for the time being of the South African Institution of Civil Engineering.

# SCOPE OF WORK – SITE INFORMATION

## SCOPE OF WORK – SITE INFORMATION

### PROJECT LIMITS

#### (a) Contract Start

The contract starts at km 7.6, before the intersection of the Qombola Village, along National Route R61 Section 6.

#### (b) Contract End

The contract end at km 22.4, just after crossing the Tsomo River near Mkwiti Village.

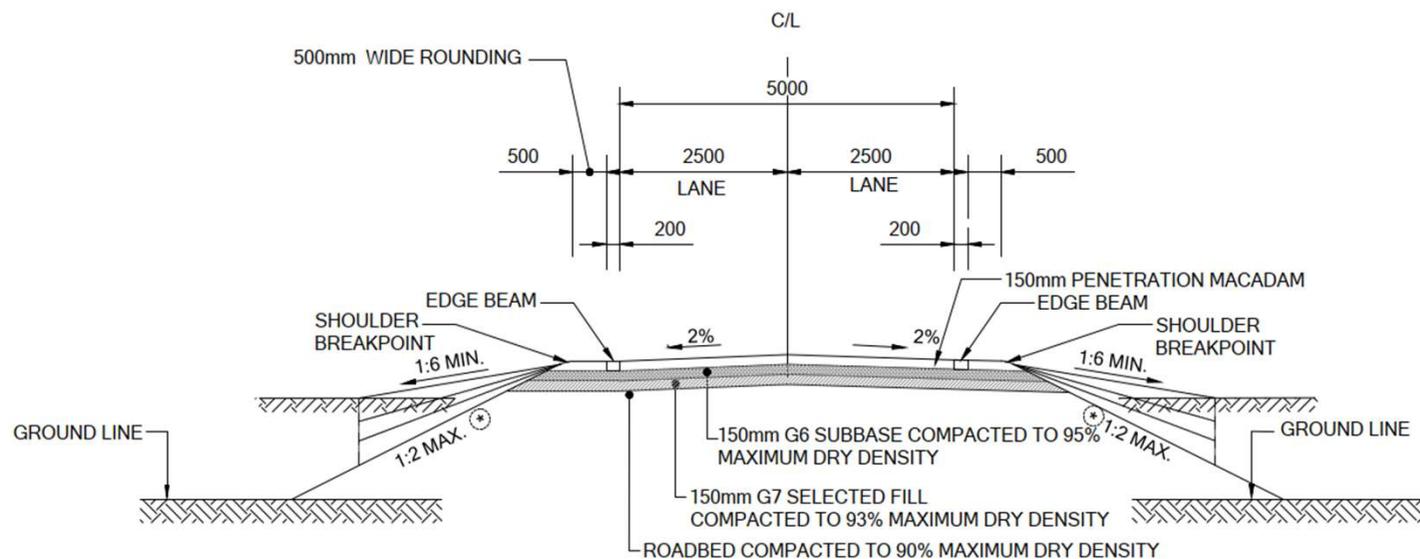
#### (c) Intersection Roads

The Contract roads predominantly start at the contract limits of the R.061-060-2012/1 and tie in with the adjacent Contracts' respective intersections. R61 (km 10.42; km 12.7; km 13.28; km 14.65; km18.34; km 20.62; km 21.60).

## SCOPE OF WORK – SITE INFORMATION

### UPGRADING/WIDENING

- Cross section
  - The existing access roads are either informal access tracks or greenfields.
  - To be upgraded/newly constructed to 2 x 2.5 m surfaced lanes separating a 0.5 m rounding on both sides with a 250 mm concrete edge beam, providing a total formation width of 6.4 m for a standard cross section.



TYPICAL PAVEMENT STRUCTURE OF ACCESS ROAD  
CROSS SECTION IN FILL CONDITIONS



## SCOPE OF WORK – SITE INFORMATION

### PAVEMENT DESIGN

Layer	Pavement Layer Description
Surfacing	25mm thick cold mix medium continuously graded asphalt blend (mixed by hand using anionic stable grade emulsion and LBS proprietary filler) and placed by hand
Base	150mm macadam base (50mm coarse aggregate and fine aggregate as per COTO Tables A4.1.5-8 and A4.1.5-9 respectively) compacted to 88% of Apparent Density (AD)
Subbase	150mm G5A crushed stone compacted to 97% Maximum Dry Density (MDD)
Selected	150mm G7 gravel compacted to 93% Maximum Dry Density (MDD)
Roadbed	150mm G9 or better gravel compacted to 90% Maximum Dry Density (MDD)

Where there is a discrepancy between any pavement materials and construction details (layer thicknesses, quality, density etc) provided in this Volume 3 Book 3 and those shown on the Drawings the details shown in the text of this Volume shall take precedence.

## **SCOPE OF WORK – SITE INFORMATION**

### ACCOMMODATION OF TRAFFIC

- Most of the access roads are new (greenfields) construction however, where existing access roads are upgraded it is envisaged existing traffic will be accommodated, as far as is practical, on gravel diversions / bypasses.

# SCOPE OF WORK – SITE INFORMATION

## ANCILLARY WORKS

- Drainage
  - Road surface drainage will be collected, contained, and discharged via the following drainage elements:

Type	Application
2.0 m concrete v-drains	Cut conditions with grades steeper than 5%
Earth drains	Cut conditions according to Typical cross section

- Subsoil drains will be provided as directed by the Engineer.

## SCOPE OF WORK – SITE INFORMATION

### ANCILLARY WORKS (CONT.)

- Guardrails and Type-A concrete drains
  - Guardrails will be provided where fill embankment heights exceed 3.0m.
- Fencing
  - No fencing is included under this Contract.
- Road signs
  - Permanent road signs are to be provided as shown on the drawings.
- Road markings
  - Road marking will be provided as directed by the Engineer.

### SERVICES

- There are no known affected services affecting this Contract.
- A provision has been made in the pricing schedule (Schedule B) to cover the cost of any service relocations that may be identified on site and to provide for any ducts that may be required.

## SCOPE OF WORK – SITE INFORMATION

### SMALL CONTRACTOR DEVELOPMENT, TRAINING AND COMMUNITY LIAISON

- There are expectations in the local communities that they will be given employment and business opportunities to participate in the completion of the contract.
- The Contractor shall therefore ensure that some opportunities are provided for the local community from the commencement of construction and, in order to avoid problems arising with the local community
- Section D of the Scope of Works covers the contractor's requirements in detail, as well as defining the targets that comprise the Contract Participation Goal (CPG).

## SCOPE OF WORK – SITE INFORMATION

### EMPLOYER'S OTHER CONTRACT

- The Employer will carry out other road work (NRA 2024/1353 / Contract SANRAL R.061-060-2012/1) adjacent to the Site through a separate concurrent contract while this NRA 2024/1239 / Contract SANRAL C.003-051-2018/1 is completed. The Contractor shall co-operate with the Employer's other contractor in accordance with clause 4.6 of the Conditions of Contract.
- It is a requirement of Contract R.061-060-2012/1 that aggregate be crushed for use by the contractor appointed for this Contract (C.003-051-2018/1). The agreed quantities of crushed material shall be crushed, stockpiled and then loaded when the C.003-051-2018/1 contractor needs to collect the material.
- It is also a requirement of Contract SANRAL R.061-060-2012/1 that the Employer's Contract SANRAL C.003-051-2018/1 contractor be permitted to extract gravel material from the Employer's borrow pits (Borrow Pits 1 and 2).

## SCOPE OF WORK – SITE INFORMATION

### EMPLOYER'S OTHER CONTRACT

- The C.003-051-2018/1 contractor will be responsible to excavating, breaking down, stockpiling as may be required, loading and transporting the borrow pit material required for this contract.
- The contractor will also be responsible for removing/rehabilitating any stockpile areas used but **will not be responsible for the overall rehabilitation of the borrow pits** as required by the environmental authorisation and such responsibility shall rest with the **Contractor of Contract SANRAL R.061-060-2012/1**.

# PROJECT SPECIFICATIONS

# PROJECT SPECIFICATIONS

## PRICING SCHEDULE

- A Microsoft Excel version of the schedule is provided to tenderers.
- No responsibility can be accepted for any possible errors in summation or calculations that may occur on the spreadsheet. Tenderers are required to satisfy themselves that calculations are correct.
- A printout of the entire completed pricing schedule must be signed and scanned and saved in .pdf format and an electronic copy of the priced pricing schedule must be saved in Microsoft Excel format.
- The signed pdf copy will be deemed to be the official schedule.

# PROJECT SPECIFICATIONS

## GENERAL

- The Standard Specifications for Road and Bridge Works for South African Road Authorities (Draft Standard October 2020 edition) prepared by the Committee of Transport Officials, (COTO), as amended, shall apply to this contract. The amendments are those issued by COTO and reproduced in Section A1, together with additional amendments as set out in Section A2 and Project specific Specification Data as set out in Section B.
- **READ THE FULL STANDARD SPECIFICATION FOR RELEVANT SECTIONS**

## **PROJECT SPECIFICATIONS**

### **SECTION A: GENERAL REQUIREMENTS AND TRAINING AND SKILLS DEVELOPMENT PROGRAMME**

#### **A1001 SCOPE OF WORK**

The Contractor's Scope of Work primarily entails the training and skills development of members of an identified Community, as well as Trainee Targeted Enterprises selected from this Community, whom will become his Targeted Enterprise subcontractors and whom he shall manage and mentor during the construction phase.

The construction phase entails overseeing the construction of infrastructure, by Trainee Targeted Enterprises.

## **PROJECT SPECIFICATIONS**

### **SECTION A: GENERAL REQUIREMENTS AND TRAINING AND SKILLS DEVELOPMENT PROGRAMME**

#### **A1006 THEORETICAL TRAINING**

##### **A1006.01 NUMBER OF TRAINEES PER CONTACT SESSION**

For this project, a minimum number of twelve (12) Trainee Targeted Enterprises between CIDB grades 1 to 4 shall benefit from the project and at least 2 (two) persons shall be trained from each Trainee Targeted Enterprise.

## PROJECT SPECIFICATIONS

### COTO CHAPTER 1 – GENERAL:

#### C1.1.3.11 Construction using materials supplied by the Employer

##### a) General

**The Employer will supply crushed stone materials for use by the Contractor during the construction of the Works. The crushed stone materials will be produced for the Employer through a separate roadworks contract which will include the establishment of a quarry.**

The crushed stone materials will be collected by the Contractor, from the Employer's quarry and in accordance with a Materials Supply Schedule. The Contractor will be responsible for transporting the crushed stone materials from the quarry to the access road construction Site/s. Where applicable in terms of the specification pay items are provided in the Pricing Schedule for the haul of the materials. The Contractor will not be responsible for loading the crushed stone materials at the quarry as this will be done by the quarry operator (at no cost to the Contractor).

**The Contractor shall pay for the materials supplied by Employer at the rates indicated in Table C1.1.3.11-1.**

## PROJECT SPECIFICATIONS

### COTO CHAPTER 1 – GENERAL:

#### C1.1.3.11 Construction using materials supplied by the Employer

##### a) General (continued)

The rate for material supplied by the Employer shall include the cost of furnishing the crushed materials and loading the materials on to the Contractor's trucks at the quarry.

**The value of material supplied by the Employer which shall be deducted from payments due to the Contractor, shall be determined by the relevant audited weighbridge documentation and delivery notes.**

##### b) Items which are only to be based on the use of material provided by the Employer

The tendered rates for a number of specified items of work, which require crushed stone materials, shall be based on the materials being provided by the Employer.

For these rates the Contractor shall include the cost of materials supplied by the Employer, at the rates included in Table C1.1.3.11-1 in the rates tendered for the various applicable items of work included in the Pricing Schedule.

## PROJECT SPECIFICATIONS

### COTO CHAPTER 1 – GENERAL:

#### C1.1.3.11 Construction using materials supplied by the Employer

b) Items which are only to be based on the use of material provided by the Employer (continued)

**The applicable pay items in each Chapter, where the tendered rates shall include the cost of material supplied by the Employer, shall be indicated under Part C of each chapter and, in addition, the payment item Description shall be amended to add the following: “rate inclusive of the cost of crushed stone material supplied by the Employer” and the item’s payment clause shall include the following:**

“The tendered rate/s shall include full compensation of the cost of crushed stone material supplied by the Employer in accordance with clause C1.1.3.11.

The deduction of the value of the materials supplied by the Employer to the Contractor shall be made through payment item C1.2.11.

## PROJECT SPECIFICATIONS

### COTO CHAPTER 1 – GENERAL:

#### C1.1.3.11 Construction using materials supplied by the Employer

c) Items which are to be based both on the use of material provided by the Employer or, alternatively, on the use of material sourced by the Contractor from commercial sources

For a number of specified items of work, which require crushed stone materials, separate items/subitems are included which shall either be based on the materials being provided by the Employer or, alternatively, on materials sourced from Contractor identified compliant commercial suppliers or sources. The applicable amended payment items in each Chapter, where the tendered rates shall include the cost of material supplied by the Employer, shall be indicated under Part C of each chapter and in the Pricing Schedule.

The **deduction of the value of the materials supplied** by the Employer to the Contractor shall be made through payment item C1.2.11.

# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 1 – GENERAL:
  - Specifications for contract, time, establishment, clearing & grubbing, loading, hauling, etc.
  - A1.2.3.4 Extension of Time for Delays
    - Method 3 (Critical path method without consequential delays) is specified.
      - Consequential delays are expressly excluded from the measurement of “N” days.
      - On this Contract 29 working days is to be allowed for weather delays (26 months for the execution of the works).
  - A1.2.3.5 Handing-over of the Site of the Works
    - The conditions for handing-over of the Site of the Works are as follows:
      - a) Sequence
        - It is anticipated that, once training is complete, construction work will take place simultaneously on at least 2 kms of access road at any one time. The final sequence of the construction work will be determined by the Contractor’s programme.

# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 1 – GENERAL:
  - **A1.2.3.5 Handing-over of the Site of the Works (continue...)**
    - The conditions for handing-over of the Site of the Works are as follows:
      - b) Temporary deviations
        - Where required and agreed by the Engineer gravel temporary deviations / bypasses shall be constructed to accommodate public traffic during construction. There are no limitations on the number or length of the temporary deviations that may be in use at any one time.
  - **A1.2.3.12 Ownership of assets and disposal of non-usable assets**
    - The disposal of non-usable assets by the Contractor is not applicable to this Contract.
  - **PA1.2.3.15 Routine maintenance**
    - The Contractor shall not be responsible for any routine maintenance responsibilities under this Contract.

# PROJECT SPECIFICATIONS

- **A1.2.3.20 Road safety audits**
  - Road safety audits are not applicable to this Contract.
- **A1.2.3.22 Wayleaves/Agreements and Permits**
  - The Contractor shall be responsible for applying for wayleaves for any services encountered on the Site.
- **PA1.2.7.1 Programme of work**
  - A scheme 2 programme shall apply.
  - The contract programme shall take in to account the following:
    - Embargo periods**
      - No embargo period is applicable to the construction of asphalt surfacing layers. The requirements of the specification regarding temperature and other weather limitations shall however apply to such work.



# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

### ACCOMMODATION OF TRAFFIC (AoT)

- **A1.5.7.10 Construction of temporary deviations**
  - Temporary deviations / bypasses shall be constructed by clearing and grubbing a route agreed by the Engineer. The deviation cross section shall be as directed by the Engineer. The vertical alignment of the deviations shall follow the existing ground line wherever possible to minimise any cut or fill required. The roadbed shall be compacted and any fill required constructed (using as far as possible material from cuts). A wearing course gravel layer shall be constructed as directed by the Engineer.
  - No bituminous surfacing is required for the temporary deviations.
- **A1.5.7.12 Traffic safety officer**
  - The traffic safety officer (TSO) on this Contract does not have to be a dedicated official and the TSO may therefore have other responsibilities on site. The part time TSO does not have to be equipped with a dedicated TSO vehicle nor does a traffic safety vehicle (as per clause A1.5.6.3) have to be provided on this Contract.



# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 2 – SERVICES
  - A2.1.3.2 Location, identification, protection and relocation of existing services
    - No records of existing services are available
- COTO CHAPTER 3 – DRAINAGE
  - Refer to Clauses
- COTO CHAPTER 4 – EARTHWORKS AND PAVEMENT LAYERS: MATERIAL
  - A4.1.3.1 Employer identified borrow pits and quarries
    - Gravel Sources: Borrow Pit 1 & 2
    - Hard Rock Quarry: Quarry 3
    - The Employer's borrow pits shall also be used by the Employer's R61 main roadworks Contractor. The Engineer shall be responsible for arranging and approving the joint use of the borrow pits. The Contractor shall not be involved with any quarry operations and shall only be responsible for transporting the crushed stone materials produced at the Employer's quarry from the quarry to wherever the materials are required for construction purposes.
    - Refer to the Part C4 an Appendix 11 of Volume 3 Book 3 for further details of the borrow pit materials and the use of the pits.



# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 4 – EARTHWORKS AND PAVEMENT LAYERS: MATERIAL
  - A4.1.5 Materials – refer to A4.1.5.4 (Fill material)
    - The material depth requirements in Table A4.1.5-2 for lightly trafficked rural roads (Class 3 and 4 / Category C roads) roads shall apply to this Contract.
  - A4.1.7.1 Haul and access roads
    - The Employer's R61 main roadworks contractor will be responsible for establishing and maintaining any temporary roads required for access to the borrow pits/quarry.
  - A4.1.7.2 Borrow pit and Quarry operations
    - A materials manager is not required on this Contract.
    - The Contractor shall employ a suitable qualified and experienced part time excavation controller to ensure compliance with the requirements of clause A4.1.7.2(g).



# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 4 – EARTHWORKS AND PAVEMENT LAYERS: MATERIAL
  - **A4.1.7.2 Borrow pit and Quarry operations**
    - The results of laboratory tests and trial pit investigations of the borrow pits carried out during the design stage are included in Volume 3 Book 3 Part C4 and its Appendix 11.
    - The Contractor shall only use the borrow pits as agreed by the Engineer. The Contractor shall be responsible for dealing with any overburden material, excavating, breaking down and loading and transporting the borrow material. As may be required the excavated material shall be stockpiled at the borrow pit and the Contractor shall be responsible for establishing, maintaining and finally reinstating separate stockpiles for the material he requires.
    - The Employer's R61 main roadworks contractor will be responsible for all the work required to close the borrow pits in accordance with the Contract Documentation.
  - **A4.1.7.3 Stockpiles**
    - A stockpile controller is not required on this Contract.
    - The Contractor shall be responsible for reinstating any separate stockpile sites that were established at the borrow pits for the material sourced from the pits for use on this Contract.

# PROJECT SPECIFICATIONS

## READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 4 – EARTHWORKS AND PAVEMENT LAYERS: MATERIAL
  - **A4.3.3.1 Employer identified existing road materials**
    - No existing road materials investigation laboratory test results or trial pit profiles are available.
    - The Engineer will determine if any existing road materials are to be used and whether any stockpiling of such materials is required.
  - **A4.4 Materials from the Employer's own sources**
    - The Employer shall provide crushed stone materials for the Contractor to use on this Contract. The Employer's crushed stone material **is not free issue material** and it will be provided to the Contractor in accordance clause A1.1.3.11.
    - All materials from the Employer's borrow pits, used in accordance with Chapter 4.1, are free issue materials.
    - The tenderer is also expected to price material from commercial sources as an alternative to the aggregates being supplied by the Employer.



# PROJECT SPECIFICATIONS

- COTO CHAPTER 5 – EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION
  - A5.1 Roadbed
  - A5.2 Fill
  - A5.3 Road Pavement Layers
    - A5.3.5.1 - The material properties for each pavement layer shall be as indicated in Part C4 clause C4.1.4 and as shown on the drawings.
    - A5.3.5.2 (a) – Pavement layer thickness requirements (Part C4 clause C4.1.4 and as shown on the drawings in Volume 4)
    - A5.3.5.2 (d) – Bound macadam (BM) layer
      - A water-bound macadam (WBM) layer shall be constructed in accordance with the requirements of clause A5.3.7.10.
      - The layer shall be compacted to 88% of apparent density (AD).
      - The completed water-bound macadam (WBM) layer shall be primed and surfaced using a 25mm thick cold mix asphalt.
    - A5.3.7.10 Construction of a bound macadam (BM) layer
      - A precast concrete rectangular marker (SANS 927 Figure 13, 250 x 125mm) laid with a 50mm minimum thick bedding and support using class C16/20-20 concrete shall be provided, as shown on the drawings, as the macadam layer edge restraint.
      - A macadam trial section shall be constructed in accordance with clause A5.3.7.12.
      - The macadam layer shall be constructed according to the lines and levels as shown on the drawings.



## PROJECT SPECIFICATIONS

- COTO CHAPTER 5 – EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION
  - A5.3 Road Pavement Layers (continued)
    - A5.3.7.10 Construction of a bound macadam (BM) layer (continued)
      - The completed water-bound macadam (WBM) layer shall be primed and surfaced using a 25mm thick cold mix asphalt.
      - Surface regularity shall be assessed by using a 3.0m straight edge
      - In addition to the use of a 3.0m straight edge the Engineer may also order the use of a rolling straight-edge to further assess surface regularity.
- COTO CHAPTER 8 – PRETREATMENT AND REPAIR OF EXISTING LAYERS:
  - The priming material shall be a conventional bitumen emulsion prime (quick drying) as specified in clause A8.1.5.1(a).
- COTO CHAPTER 9 – ASPHALT LAYERS:
  - The asphalt surfacing for this Contract is a cold mix asphalt specified under Section **B9.1 Asphalt Layers: Part B: Labour Enhancement.**



## PROJECT SPECIFICATIONS

### READ THE FULL AMENDMENTS TO THE STANDARD SPECIFICATION FOR RELEVANT SECTIONS

- COTO CHAPTER 11 – ANCILLARY ROAD WORKS
  - Specifications for Gabions, Road Restraint Systems, Road Signs and Markings, Landscaping, etc.
- COTO CHAPTER 20 – QUALITY ASSURANCE
  - Specifications for Quality Assurance
  - Testing will be undertaken by an **independent site laboratory** as indicated under A20.1.3.3 a)(i)3.

# PROJECT SPECIFICATIONS

## SANRAL STANDARD SPECIFICATION SECTIONS

- SECTION C: ENVIRONMENTAL MANAGEMENT PLAN
  - C1004(d) A **full-time Dedicated** Environmental Officer **is required** on this contract.
- **SECTION D: STAKEHOLDER AND COMMUNITY LIAISON, AND TARGETED LABOUR AND TARGETED ENTERPRISES UTILISATION AND DEVELOPMENT**

Section D1000 to be carefully examined with special attention to the following clauses:

### D1002 – Definitions and applicable legislation

- D1002.01 Definitions

(d) CPG

(ii) Specific Goal for Targeted Labour is a minimum of **8%** of the Final Contract Value by the end of the contract to Targeted Labour

The **Final Contract Value** for purposes of this clause is **defined in clause D1003.04**

(p) Target Area(s): For **Targeted Labour**: Intsika Yethu Local Municipality



## PROJECT SPECIFICATIONS

### D1002 – Definitions and applicable legislation (continue..)

- D1002.01 Definitions

- (u) Targeted Labour: Target Group for Targeted Labour:

- a. black designated groups (As per latest PPPFA Regulations)
    - b. black people;
    - c. women;
    - d. people with disabilities.

- D1003.04 Contract Participation Goal (CPG):

- CPG for Targeted Labour: Specific sub-Goals for minimum contributions by specific Target Groups for Targeted Labour:

- i. Black people who are youth - 40% of Targeted Labour value
    - ii. Black people who are persons with disabilities - 0.3% of Targeted Labour value
    - iii. Black women - 40% of targeted labour value

## PROJECT SPECIFICATIONS

- D1003.04 Contract Participation Goal (CPG):
  - CPG for Targeted Enterprises (TE):
    - **Sub-contracting of the work in Pricing Schedules A (Training and Construction Management) and D (Stakeholder and Community Liaison) to Targeted Enterprises:**
    - If the Contractor is an EME:
      - Minimum of zero (0) % of the Final Contract Value by the end of the contract to Targeted Enterprises.
    - **If the Contractor is not an EME:**
      - Minimum of **forty (40) %** of the Final Contract Value by the end of the contract to Targeted Enterprises.
    - The Final Contract Value for purposes of this clause is defined in clause D1003.04.
    - **Sub-contracting of the work in Pricing Schedules B and C (Construction of the Works including all parts of Schedule C) to Targeted Enterprises:**
    - If the Contractor is an EME:
      - Minimum of zero (0) % of the Final Contract Value by the end of the contract to Targeted Enterprises.
    - **If the Contractor is not an EME:**
      - Minimum of **eighty (80) %** of the Final Contract Value by the end of the contract to Targeted Enterprises.
    - The Final Contract Value for purposes of this clause is defined in clause D1003.04.

# PROJECT SPECIFICATIONS

- D1003.04 Contract Participation Goal (CPG):
  - CPG for Targeted Enterprises (TE): Specific sub-Goals for minimum contribution by specific Target Groups for TE's:
    - i. TE with ≥51% ownership by Youth - Min of 5.0% of the Final Contract Value
    - ii. TE with ≥51% ownership by Women - Min of 5.0% of the Final Contract Value
    - iii. TE with ≥51% ownership by Military veterans - Min of 1.0% of the Final Contract Value
    - iv. TE with ≥51% ownership by Disabled persons (Differently abled) - Minimum of 0.5% of the Final Contract Value
    - v. TE with CIDB 1 or 2 grading - Minimum of 2.0% of the Final Contract Value
    - vi. TE with CIDB 3 or 4 grading - Minimum of 2.0% of the Final Contract Value
- D1003.05 Contract Participation Performance (CPP)
  - CCP = CPG Amount (Monetary value of TE Labour + Monetary value of TE's)
  - (a) CPP Penalties
    - **Take particular note of the latest penalty formulas for the CPG targets for TE Labour and TE's**
    - The total Penalty value shall be the sum of the Targeted Labour and Targeted Enterprises Penalty values unless the total Penalty value is negative then it shall be a zero (0) value.
    - There is no longer a bonus for exceeding the CPG target

## PROJECT SPECIFICATIONS

- D10.05 Construction Works by Targeted Enterprises
  - D10.05 (a) and (b) Payments associated with the construction works carried out by Targeted Enterprise subcontractors of CIDB 1 and 2 contractor grading designation appointed in terms of Section D
    - These payment items shall not be applicable to payments to Trainee Targeted Enterprises (TTEs) as specified in clause A1010.01(c).
  - D10.05 (c) Fluctuation between the main contractor's rates and that of the Targeted Enterprise subcontractors
    - This payment item shall be applicable to payments to Trainee Targeted Enterprises (TTEs) as specified in clause A1010.01(c).
  - D10.05 (d) Preliminary and General Obligations of Targeted Enterprise subcontractors appointed in terms of Section D
    - This payment item shall be applicable to payments to Trainee Targeted Enterprises (TTEs) as specified in clause A1010.01(c).

# PROJECT SPECIFICATIONS

## D1009 WORK SUITABLE FOR EXECUTION BY TARGETED ENTERPRISES

- Refer to clause D1009 in Part C3 Section D.

To assist the Contractor in achieving his CPG, the following work items have been identified as being suitable for execution by Targeted Enterprises:

- a) Erection and maintenance of the Contractor's camp site.
- b) Clearing and grubbing.
- c) Construction of drains.
- d) Installation of prefabricated culverts including inlet and outlet structures.
- e) Concrete channelling and concrete linings for open drains.
- f) Construction of concrete paving, kerbs and channels.
- g) Construction of small concrete and other structures.
- h) Pitching, stonework and protection against erosion.
- i) Construction of gabions.
- j) Erection of guardrails.
- k) Road signs.
- l) Road markings.
- m) Finishing the road and road reserve.

## PROJECT SPECIFICATIONS

### D1009 WORK SUITABLE FOR EXECUTION BY TARGETED ENTERPRISES

To assist the Contractor in achieving his CPG, the following work items have been identified as being suitable for execution by Targeted Enterprises: (continued)

- n) Site Security Services.
- o) Haulage of materials.
- p) Supply of plant.
- q) Supply of fuel.
- r) Supply of transport to Local Labour.
- s) Specialised sub-contract work such as:
  - i) Earthworks, layerworks construction.

From the above work items, the following have been identified as suitable for execution by **CIDB CE1 and CE2 Targeted Enterprises**:

- a. Side drains.
- b. Clearing and grubbing.
- c. Construction of drains.
- d. Any other work identified by the Employer to be executed in the Target Area.

## PROJECT SPECIFICATIONS

### D1009 WORK SUITABLE FOR EXECUTION BY TARGETED ENTERPRISES

- The work to be carried out by Targeted Enterprises is not limited to the work listed above and the Contractor may need to engage Targeted Enterprises on other aspects of the Works to achieve the CPG.
- A Provisional Sum for the work by CIDB 1 and 2 Targeted Enterprise Subcontractors is allowed under pay-item D10.05.
- D1010.02(i)(i) Contract Skills Development Goal (CSDG) :

**These goals are not applicable to this Contract.**

- D1012.02(a) and (b) Community Development Projects:
  - This Contract does not include a Community Development Project component.
- Special attention to the other clauses:
- D1001.01 Principles for Project Liaison, Targeted Enterprise Sub-contracting, and Targeted Labour Sourcing in SANRAL Projects (Fourteen Point Plan)
- D1005: Mobilisation Period
- D1007: Tender Process for TE's
- D1009: Work Suitable for Execution by Targeted Enterprises

# PROJECT SPECIFICATIONS

## C4.1.5 MATERIAL SOURCES AND GEOTECHNICAL INFORMATION

Three types of material sources are included under this Contract as follows:

- Crushed stone materials provided by the Employer through a separate roadworks contract (Contract SANRAL R.061-060-2012/1) where a quarry (Quarry 3) will be established. Refer to clause C1.1.3.11 in this regard.
- Materials from commercial sources, identified by the Contractor, including crushed stone materials where the Employer is not able to supply as required.
- Gravel material from the Employer's borrow pits. The Employer's borrow pits will be opened and utilised by the Employer's contractor for the main roadworks contract on the R61 (Contract SANRAL R.061-060-2012/1) but those borrow pits may also be used for this access road Contract.

## **PROJECT SPECIFICATIONS**

### **C4.1.5 MATERIAL SOURCES AND GEOTECHNICAL INFORMATION**

Crushed stone material shall be used for the G5A subbase, WBM macadam base, asphalt, concrete, gabions, stone pitching, subsoil drains etc and also for any pioneer layer / rockfill materials required. As indicated above the crushed stone will either be sourced through the Employer's R61 roadworks contract or from commercial sources.

Material for the selected, fill and gravel wearing course required to construct the access roads may be obtained from the Employer's borrow pits in the area on the concurrent contract SANRAL R.061-060-2012/1 in the vicinity of the works (Borrow pits No 1 and No 2). All use of material sources shall be as agreed by the Engineer. Details of the material available from the borrow pits is provided in Section 5.3 of the Geotechnical Investigations (Drilling) Report included in Appendix 11 and the borrow pit mine plans in Volume 4.