

**TENDER CLARIFICATION BRIEFING  
MEETING FOR NRA N.002-280-2020/1S  
CONSULTING ENGINEERING SERVICES  
EASTERN REGION**

**SANRAL**



**BUILDING SOUTH AFRICA  
THROUGH BETTER ROADS**

# DETAILS OF TENDER CLARIFICATION BRIEFING MEETING

Contract No.	NRA N.002-280-2020/1S
Description:	FOR CONSULTING ENGINEERING SERVICES FOR THE SUPERVISION OF CONSTRUCTION OF AN INTERCHANGE AT THE PORT DUNFORD UNDERPASS ON NATIONAL ROUTE 2 SECTION 28 (KM51.7) AND PROVINCIAL ROAD P537.
SANRAL Region:	Eastern Region
Meeting Format:	No Clarification Meeting

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# Part T1: Tendering Procedures

# TENDER DATA

C.2.1	<p><b>Eligibility</b></p> <p>Only those tenderers who satisfy the following criteria are eligible to submit tenders:</p> <p>(a) Meet the minimum requirements for the key persons as stated in the Scope of Works in Clause C.3.1.11: Personnel requirements; excluding 3.1.11(f), which is dealt with under Tender Data C.3.13(k).</p> <p>(b) Registered on National Treasury Central Supplier Database.</p> <p>Tenderers, or in the event of a Joint Venture or a Targeted Enterprise, each member of the Joint Venture or Targeted Enterprise, shall be registered on the National Treasury Central Supplier Database at the closing date for tender submissions. If not registered as verified online at tender closing, the tenderer will be declared non-responsive.</p> <p>Failure to satisfy the eligibility criteria will result in a non-responsive tender.</p>
C.2.2	<p><b>Cost of tendering</b></p> <p>Tender documents are available from SANRAL website at no cost.</p>

# TENDER DATA

C.2.6	<b>Acknowledge addenda</b>  Failure to apply instructions contained in addenda may render a tenderer's offer non-responsive in terms of condition of tender C.3.8.
C.2.7	<b>Clarification meeting</b>  <b>No Clarification Meeting</b>



# TENDER DATA

C.2.8	<p><b>Seek clarification</b></p> <p>Request clarifications at least <b>12</b> (Twelve) working days before the closing date.</p>
C.2.10	<p><b>Pricing the tender offer</b></p> <p>Tenderers are required to state the rates and currencies in Rand.</p> <p>Separate forms, as part of the Pricing Schedule, has been provided wherein the Employer has provided hourly rates for different staff categories.</p> <p>The hours tendered in these forms for percentage fee purposes and other appropriate stages will be utilised to calculate the appropriate lump sum for the different stages. These lump sums will become the applicable rates in the Pricing Schedule.</p> <p>All rates and/or sums tendered shall <b>not</b> be negative.</p>

# TENDER DATA

C.2.12	<p><b>Alternative tender offers</b></p> <p>Alternative offers are generally not acceptable due to possible manipulation of the tender process and resulting complexity of the evaluation. Therefore, the submission of alternative tenders is strongly discouraged.</p> <p>The submission of alternative key persons will be declared non-responsive, even if submitted with an alternative financial offer.</p> <p>However, a tenderer wishing to submit an alternative offer shall first apply to the Employer with full details of the principles of the alternative for confirmation that the Employer's standards and requirements are not compromised or reduced. 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.</p> <p>Acceptable alternative offers will only be considered from a tenderer with the highest number of evaluation points for the main offer.</p>
C.2.13.2	<p>The returnable documents shall be electronically completed in their entirety, submitted on the issued software format or fully compatible format, unless otherwise specified.</p> <p>Wherever it is a requirement that the tenderer has to provide hours to match the price tendered and failed to do so, such imbalance cannot be corrected and will be declared non-responsive</p> <p>Submission in the tender box</p> <ul style="list-style-type: none"><li>• Submit the tender offer electronically on a flash drive.</li><li>• (In the relevant MS Word 2013 and MS Excel 2013 format as issued, and not in .pdf format, except where so specified.)</li></ul>
C.2.13.3	<p>Submission in the tender box</p> <p>The tenderer is required to upload all certificates as listed in the List of Returnable Schedules as scanned copies, in .pdf format, on the flash drive</p>



# TENDER DATA

C.2.13.6

Submission in the tender box is applicable

A two-envelope procedure will apply as follows:

1. **A folder is provided marked “TECHNICAL PROPOSAL”**
  - a. *Ensure that all returnable schedules listed in T2.1 List of Returnable Schedules for inclusion in the Technical Proposal and listed in the Technical Proposal folder are electronically completed (all A-Forms and B-Forms on the provided MS Word file and convert to pdf. Wherever it is a requirement to attach certificates or letters to the returnable schedules, these should be scanned in.pdf format.*
  - b. *Upload the A-Forms (pdf.), B-Forms (pdf) and certificates or letters (pdf.) on the flash drive. The completed flash drive should be marked with the tenderer’s company name, the project number and description and marked “TECHNICAL PROPOSAL”.*
  - c. *Scan and insert a valid B-BBEE certificate.*
  - d. *Scan and insert a copy of the completed Form C2.4: Key Persons for this Project.*
  - e. *Electronically sign the declaration in the folder.*
  - f. *Insert the electronically completed flash drive in an envelope marked “TECHNICAL PROPOSAL”.*
  
2. **A folder is provided marked “FINANCIAL PROPOSAL”**
  - a. *Ensure that all returnable schedules listed in T2.1 List of Returnable Schedules for inclusion in the Financial Proposal and listed in the Financial Proposal folder are electronically completed on a flash drive (Contract Data and Pricing Schedule). Wherever it is a requirement to attach letters or certificates to the returnable schedules, these should be scanned in, on the flash drive in .pdf format.*  
*The completed flash drive should be marked with the tenderer’s company name, the project number and description and marked “FINANCIAL PROPOSAL”.*
  - b. *Electronically sign the declaration in the folder.*
  - c. *Complete and electronically sign the Form of Offer and scan into the folder. A draft copy of this form is provided.*
  - d. *Scan and insert a copy of the Summary of Pricing Schedule into the folder.*
  - e. *Insert the electronically completed flash drive in an envelope marked “FINANCIAL PROPOSAL – DO NOT OPEN WITH TECHNICAL PROPOSAL”.*

# TENDER DATA

C.2.13.6	<p>f. Place and seal the signed and completed booklet with the electronically completed flash drive in an envelope marked <b>“FINANCIAL PROPOSAL - DO NOT OPEN WITH TECHNICAL PROPOSAL”</b>.</p> <p>3. Each envelope shall state on the outside the <b>Employer’s address, contract number and title as well as the Tenderer’s name, authorised representative’s name, postal address and contact telephone numbers</b>.</p> <p>4. Seal both envelopes in an outer envelope with the words <b>“TENDER”</b> clearly marked and bearing the Employer’s name, contract number and description as well as the Tenderer’s authorised representative’s name, postal address and contact details.</p> <p><i>SANRAL will not be held liable where the tenderer submit an electronic tender that cannot be accessed. The tenderer will be declared non-responsive if a tenderer submits:</i></p> <ul style="list-style-type: none"><li>• <i>One (1) envelope with 1 (one) document or 1 (one) flash drive (technical and financial);</i></li><li>• <i>Incorrectly labelled envelopes where the financial offer is labelled technical and the technical offer is labelled financial.</i></li></ul>
C.2.15.2	<p>The closing time for submission of tender offers is <b>11:00 on Tuesday 14<sup>th</sup> May 2024</b>.</p> <p>Where closing date was extended, documents that were valid at the original closing date, remain valid for the extended closing date.</p>
C.2.17	<p><b>Clarification of tender offer after submission</b></p> <p>Any clarification requested under this clause must be provided within 1 (one) working day of date of request.</p>

# TENDER DATA

C.2.18	<p><b>Provide other material</b></p> <p>Any additional information requested under this clause must be provided within 5 (five) working days of date of request.</p>
C.3.1 C.3.1.1	<p><b>Respond to requests from the tenderer</b></p> <p>The Employer shall respond to clarifications received up to <b>12</b> (twelve) working days before tender closing date.</p> <p>The Employer shall respond to any clarifications from the tenderers emanating from the addenda until 3 (three) working days before tender closing date.</p>
C.3.2	<p><b>Issue Addenda</b></p> <p>The employer shall issue addenda until <b>10</b> (ten) working days before tender closing date.</p>
C.3.4 C.3.4.1	<p><b>Opening of tender submissions</b></p> <p>The time for opening of the technical offer via live streaming are: Time: <b>11:00 on Tuesday, 14<sup>th</sup> May 2024.</b></p>

# TENDER DATA

C.3.5	<p><b>Two-envelope system</b></p> <p>The minimum percentage of evaluation points for quality is not less than <b>85%</b></p> <p>Reasons for non-responsive/not achieving the threshold will only be communicated when the tender process is concluded, in terms of Clause C.3.16 of the Tender Data. The scores obtained for the non-financial proposals will not be announced at the opening of the financial offers/proposals.</p> <p>The time for opening of the financial offers via live streaming shall be communicated to all tenderers having achieved the minimum number of points for quality as prescribed.</p> <p>The financial offer of all tenderers who failed to achieve the minimum number of points for quality shall be returned unopened.</p>														
C.3.11	<p><b>Evaluating quality / functionality</b></p> <p>The quality criteria and maximum score (including the relevant returnable schedule to calculate the score) in respect of each of the criteria are as follows : A detailed explanation of the evaluation scoring is provided further in this document as <b><u>“SANRAL – EXPLANATION OF CONSULTANT TENDER EVALUATION SCORING FOR CONVENTIONAL PROJECTS”</u></b></p> <table><tr><th>Description of quality criteria</th><th>Maximum number of Tender evaluation points</th></tr><tr><td>Technical experience in comparable projects (Form B1)</td><td>30</td></tr><tr><td>Management ability in comparable projects (Form B2)</td><td>15</td></tr><tr><td>Workplan Appropriateness (WA) to the size and nature of the work (Form C2.4)</td><td>30</td></tr><tr><td>Quality assurance systems which ensure conformance to Employer’s stated requirements (Form B4)</td><td>10</td></tr><tr><td>Past performance experience on reference projects (Form B6)</td><td>15</td></tr><tr><td>Total evaluation points for quality (Ms)</td><td>100</td></tr></table>	Description of quality criteria	Maximum number of Tender evaluation points	Technical experience in comparable projects (Form B1)	30	Management ability in comparable projects (Form B2)	15	Workplan Appropriateness (WA) to the size and nature of the work (Form C2.4)	30	Quality assurance systems which ensure conformance to Employer’s stated requirements (Form B4)	10	Past performance experience on reference projects (Form B6)	15	Total evaluation points for quality (Ms)	100
Description of quality criteria	Maximum number of Tender evaluation points														
Technical experience in comparable projects (Form B1)	30														
Management ability in comparable projects (Form B2)	15														
Workplan Appropriateness (WA) to the size and nature of the work (Form C2.4)	30														
Quality assurance systems which ensure conformance to Employer’s stated requirements (Form B4)	10														
Past performance experience on reference projects (Form B6)	15														
Total evaluation points for quality (Ms)	100														

# TENDER DATA

C.3.11	<p>The minimum number of evaluation points for quality is not less than <b>85</b>.</p> <p>An explanation of the evaluation methodology is provided as part of Returnable Schedule Form B2.</p> <p>Key persons</p> <p>As part of the quality criteria as specified above, key persons shall be used to calculate the technical experience and managerial ability score. For this purpose, the tenderer may propose the same candidate for more than 1 (one) position simultaneously. If this is proposed and the evidence of the candidates' suitability is different for each position in the team, then separate Returnable Schedules for each position must be completed.</p> <p>Each proposed candidate shall complete the relevant B1 and B2 forms included in the Returnable Schedules. The Project Leader (PL) and the Assistant Project Leader (APL) (if applicable) will be limited to participate in a <b>maximum number of 6 (six) conventional contracts in active design phase</b> which will be complete after the award of the Works Contract tender. Design Specialists (DS) and Assistant Design Specialists (ADS) (if applicable) will be limited to participate in a <b>maximum number of 6 (six) conventional contracts</b> in the design phase with the Employer which will be complete after the Detailed Design report is accepted by the Employer.</p>
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# TENDER DATA

C.3.11	<p>When a proposed candidate for any position is not in the permanent employ of the tenderer but a contracted person, this must be indicated on form B2 and a signed letter of consent from the candidate must be submitted with the relevant B-forms. When a proposed candidate for any position is a permanent staff member of the tenderer, this must be indicated on Form B2 and a signed letter of confirmation must be submitted with the relevant B-forms.</p> <p>The following key persons shall form part of the quality criteria:</p> <p>Project Leader "shall be a permanent staff member of the tenderer"</p> <p>Design Specialist 1: Senior Bridge Inspector Design Specialist 2: Structural Engineer - Bridges *Design Specialist 3: Hydrology/Hydraulic Engineer *Works Contract Engineer</p> <p>* The Hydrology/Hydraulic Engineer and Works Contract Engineer shall not be evaluated for quality; however his/her qualification, registration and experience shall be assessed in terms of the minimum criteria specified in Clause C3.1.10.</p>
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# TENDER DATA

C.3.11	<p><b>Evaluating price and preference</b></p> <p>i. <b>80/20 preference point system for acquisition of goods and services for Rand value equal to or above R2 000 and up to R50 million</b></p> <p>The following formula will be used to calculate thee points out of 80 for price:</p> <p><math>Ps = 80(1 - (Pt - Pm) / Pm)</math></p> <p>Where:</p> <p>Ps is the points scored for price of tender under consideration. Pt is the price of the tender under consideration; and Pm is the price of the lowest acceptable tender.</p> <p>i. <b>90/10 preference point system for acquisition of goods and services for Rand value above R50 million</b></p> <p>The following formula will be used to calculate the points out of 90 for price:</p> <p><math>Ps = 90(1 - (Pt - Pm) / Pm)</math></p> <p>Where:</p> <p>Ps is the points scored for price of tender under consideration. Pt is the price of the tender under consideration; and Pm is the price of the lowest acceptable tender.</p>
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# Part T2: Returnable Schedules

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# EXPLANATION FOR TECHNICAL SCORING

## **SANRAL – EXPLANATION OF CONSULTANT TENDER EVALUATION SCORING FOR CONVENTIONAL PROJECTS**

**This document does not look at the tenderer's eligibility, compliance and responsive requirements, but merely explains the scoring methodology that is applied to tenders deemed complaint and responsive.**

The criterion for scoring is made up as follows:

<b>Evaluation Criteria</b>	<b>Points</b>
Technical Knowledge	30
Management Knowledge	15
Quality System	10
Past Performance	15
Workplan Appropriateness	30
<b>TOTAL</b>	<b>100</b>

# EXPLANATION FOR TECHNICAL SCORING

NB: **Project type is MSBBR**

## 1) Project Type Relevance

The relevance of the project type is evaluated against a pre-determined key person specific matrix. For a comprehensive list of matrixes please refer to the Consultant Technical Submission Spreadsheet. Below are examples of the matrices for various key Persons:

**PL, CE, RE      Conventional**

Project type Experience	Project Type Relevance					
	MO/MA	MP/MS	DS	DI	DN	CD
NONE	0	0	0	0	0	0
MO/MA	5	3	1	1	1	2
MP/MS	5	5	2	2	2	3
DS	5	5	5	3	3	4
DI	5	5	5	5	4	5
DN	5	5	5	5	5	5
CD	4	3	2	2	2	5

# EXPLANATION FOR TECHNICAL SCORING

DS Structures

	1	2	3	4	5	6	7
	<div>Project type Experience</div>	MSB	DIB	DNB	MSS	DIS	DNS
1	NONE	0	0	0	0	0	0
2	MSB	5	2	2	5	3	3
3	DIB	5	5	5	5	5	5
4	DNB	5	4	5	5	5	5
5	MSS	3	0	0	5	2	2
6	DIS	4	3	3	5	5	5
7	DNS	4	2	2	5	4	5

For each project experience listed, a point (out of a maximum 5) from the matrix per project type relevancy and 15 (fifteen) points overall for project type relevancy can be scored for each key person.

# EXPLANATION FOR TECHNICAL SCORING

## 2) Period Relevance

For each project experience listed, a point is allocated for the time lapse between the experience gained and the tender closing date. If the experience is within 10 (ten) years of the tender closing a point of 2 (two) is allocated. If the experience is beyond 10 (ten) years but less than 15 (fifteen) years, 1 (one) point is allocated. If the experience is longer than 15 (fifteen) years ago, 0 (zero) points are allocated.

If the experience is less than 6 (six) months, a pro-rata point is allocated to that of the point that would have been achieved as the experience is of a limited duration. Also, specifically for the Route Manager (RM) and Assistant Route Manager (ARM) positions on Routine Road Maintenance (RRM) projects, the point allocation is based on a 3-year project experience. The point is increased, pro-rata, should the project experience be longer than 3 years.

A maximum of 2 (two) points per project period relevancy and 10 (ten) points overall for project period relevancy can be scored for each key person.

# EXPLANATION FOR TECHNICAL SCORING

- Position Held (Only for managerial positions)

Managerial Experience

Position Rq Experience	PL	CE	RE	RM	PL(T)	CE (T)	CM(T)
PL	5	5	5	5	2.5	2.5	2.5
APL	2.5	3.75	5	5	0	0	0
DS	2.5	2.5	2.5	2.5	0	0	0
DA	0	0	0	0	0	0	0
CE	5	5	5	5	0	2.5	0
ACE	2.5	3.75	5	5	0	0	0
RE	2.5	5	5	5	0	0	0
ARE	2.5	2.5	2.5	2.5	0	0	0
RM	2.5	5	2.5	5	0	0	0
ARM	0	2.5	0	2.5	0	0	0
SMT	0	0	2.5	2.5	0	0	0
CM	5	5	5	5	0	0	2.5
SA	2.5	5	5	5	0	0	0
MT	0	0	2.5	2.5	0	0	0
ETS	0	0	0	0	0	0	0
DS(T)	0	0	0	0	2.5	2.5	2.5
CE(T)	2.5	5	2.5	2.5	5	5	5
CM(T)	0	5	2.5	2.5	2.5	2.5	5
ETS(T)	0	0	0	0	2.5	2.5	2.5
ES	0	0	0	0	0	0	2.5
MS	0	0	0	0	0	0	2.5
PE(E)	2.5	5	2.5	2.5	2.5	2.5	2.5

A maximum of 5 (five) points per project position held relevancy (managerial experience) and 15 (fifteen) points overall for position held relevancy can be scored.

Therefore a total of 15 (fifteen) – non-managerial positions, and 30 (thirty) points – managerial positions, can be scored for each key position listed in the tender document. The total for all key positions are totalled and this score is then converted back down into a score out of 15 (fifteen) for managerial experience.

# EXPLANATION FOR TECHNICAL SCORING

Management Knowledge (15):

The same returnable schedules as for the Technical Knowledge is used to evaluate the Managerial Knowledge.

For management knowledge up to two (2) areas are evaluated:

- 1) Client
- 2) Position Held (Only for managerial positions, e.g. PL; CE; RE)

- 1) Client

The tender is allocated points for the client the work experience was done for:

CLIENT CODE	POINT
National Roads Authority	5
Concessionaire	5
Provincial Authority	5
Relevant SOE	4.5
Metro Council	4.5
Municipality	4
Private	3.75
Other	3.75

A maximum of 5 (five) points per project client relevancy and 15 (fifteen) points overall for client relevancy can be scored.



# EXPLANATION FOR TECHNICAL SCORING

## 2) Position Held (only for managerial positions)

This is only used for certain key positions that are expected to perform a managerial function during the contract. The relevance of the position held during the managerial experience against the position that is tendered for is evaluated:

A maximum of 2 (two) points per project position held relevancy (managerial experience) and 10 (ten) points overall for position held relevancy can be scored.

Therefore, a total of 10 (ten) – non-managerial positions, and 20 (twenty) points – managerial positions, can be scored for each key position listed in the tender document. The total for all key positions is totalled and this score is then converted back down into a score out of 30 (thirty) for managerial experience.

# EXPLANATION FOR TECHNICAL SCORING

Managerial Experience

Position Req.	PL	CE	RE	RM	PL(T)	CE(T)	CM(T)		
Experience.									
PL	5	5	5	5	2.5	2.5	2.5	PL	Project Leader
APL	2.5	3.75	5	5	0	0	0	APL	Alternate Project Leader
DS	2.5	2.5	2.5	2.5	0	0	0	DS	Design Specialist
DA	0	0	0	0	0	0	0	DA	Design Assistant
CE	5	5	5	5	0	2.5	0	CE	Contracts Engineer
ACE	2.5	3.75	5	5	0	0	0	ACE	Alternate Contracts Engineer
RE	2.5	5	5	5	0	0	0	RE	Resident Engineer
ARE	2.5	2.5	2.5	2.5	0	0	0	ARE	Assistant Resident Engineer
RM	2.5	5	2.5	5	0	0	0	RM	RRM Route Manager
ARM	0	2.5	0	2.5	0	0	0	ARM	Assistant Route Manager
SMT	0	0	2.5	2.5	0	0	0	SMT	Senior Materials Technician
CM	5	5	5	5	0	0	2.5	CM	Contracts Manager
SA	2.5	5	5	5	0	0	0	SA	Site Agent
MT	0	0	2.5	2.5	0	0	0	MT	Project Leader (Toll)
ETS	0	0	0	0	0	0	0	ETS	Electronic Systems Engineer
DS(T)	0	0	0	0	2.5	2.5	2.5	DS(T)	Design Specialist (Toll)
CE(T)	2.5	5	2.5	2.5	5	5	5	CE(T)	Contracts Engineer (Toll)
CM(T)	0	5	2.5	2.5	2.5	2.5	5	CM(T)	Contracts Manager (Toll)
ETS(T)	0	0	0	0	2.5	2.5	2.5	ETS(T)	Electronic Systems Engineer (Toll)
ES	0	0	0	0	0	0	2.5	ES	Electrical Systems Engineer
MS	0	0	0	0	0	0	2.5	MS	Mechanical Systems Engineer
PE(E)	2.5	5	2.5	2.5	2.5	2.5	2.5	PE(E)	Project Engineer (Client)

# EXPLANATION FOR TECHNICAL SCORING

## **Quality System (10)**

The quality assurance system offered by the tenderer is evaluated as follows:

For full ISO certification, a tenderer is awarded 10 (ten) points, for a quality assurance system that has been submitted to ISO for certification, but not yet received, 6 (six) points are allocated. If the tenderer's quality assurance system is purely an in-house system, 4 (four) points are allocated.

The total number of points allocated are tallied and a score out of 10 (ten) is awarded.

# Part C1: Agreements and Contract Data

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## C1.2.2: CONTRACT DATA - EMPLOYER

3.11.1	<p>3.11.1 The penalty payable for poor performance will be applied over the full-time duration of the Contract. Penalty charges shall be as follows:</p> <ul style="list-style-type: none"> <li>- Failure to meet milestone dates in the Project programme = R2 000.00/day (excl. VAT) subject to a maximum of 10% of the Contract Value.</li> <li>- Failure to capture structures inventory and condition updates onto ITIS before issue of Taking-Over-Certificate (TOC) = R5000.00/structure (bridges and major culverts) per week or part thereof subject to a maximum of R50 000.00 (excl. VAT) per structure.</li> <li>- Failure to disclose Sub-contractors = up to 10% of the Contract value.</li> <li>- Failure to meet the tendered target of work for Targeted Enterprises = 100% of the value by which the cumulative value of payments to the Targeted Enterprises fails to meet the tendered percentage.</li> </ul>
5.1.7	<p>It is encouraged that Local Targeted Enterprises from the Kwa-Zulu Natal Province participate in a minimum of 1/3 (one-third) of the specified percentage of the Contract Price (excluding provisional and prime cost sums and the respective mark-up, butmark-up but including provision for site supervision staff and the respective mark-up).</p>

# C1.2.2: CONTRACT DATA - EMPLOYER

5.4	<p>The Service Provider is required to provide the Service with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and standards.</p> <p>The Service Provider is required to provide the following insurances:</p> <ul style="list-style-type: none"><li>• Insurance against Professional indemnity Cover is: R8.0 million without a limit on the number of claims (The limit of liability is only provided to cover the Employer's damages and does not allow for the Service Provider's costs for defending any claim. Period of cover: Structures – 25 years: all other instances – 10 years</li><li>• Insurance against general public liability Cover is: R10.0 million Period of cover: Structures – 25 years: all other instances – 10 years</li></ul> <p>3. Third Party Liability Cover is: R8 million Period of cover: Duration of contract only.</p>
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# C1.2.3: CONTRACT DATA - TENDERER

B: Key Persons	<b>Key Persons</b>	<b>Name</b>	<b>Indicate permanent or not permanent *</b>
	Project Leader		
	Alternate Project Leader		
	Design Specialist 1 (Senior Bridge Inspector)		
	Alternate Design Specialist 1 (Senior Bridge Inspector)		
	Design Specialist 2 (Structural Engineer – Bridges)		
	Alternate Design Specialist 2 (Structural Engineer – Bridges)		
	Design Specialist 3 (Hydrologic/Hydraulic Engineer)		
	Alternate Design Specialist 3 (Hydrologic/Hydraulic Engineer)		
	Works Contract Engineer		
	Alternate Works Contract Engineer		
	*Attach letter confirming permanent or contract employment or signed letter of consent.		



## C1.2.3: CONTRACT DATA - TENDERER

C: Subcontracting to Targeted Enterprises (Form B7)	<p>The amount of work expressed as a percentage of the Contract Price (excluding provisional and prime cost sums and the respective tendered mark-up (if any), but including provision made for site supervision staff (payment items 3.7.4(a) and (b)) that will be undertaken by a Targeted Enterprise(s) selected by the Service Provider shall be .....%*.</p> <p><b>* Note to tenderer: insert percentage as tendered in Form B7.</b></p>
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## Part C3: Scope of Works

## C3.1.3: DESCRIPTION OF THE PROJECT

### C3.1.3

#### Description of the Project

The envisaged scope of the works have been established through the SANRAL Asset Management System (AMS) verified by regional panel inspections that have been the subject of previous separate assignments by the same or another Service Provider.

New Facilities: The Employer's AMS currently indicates that additional capacity is required that may take the form of upgrading the existing single carriageway to a dual carriageway and the construction of new grade-separated interchange indicating the closing off of existing informal access for public roads. The current Provincial Route P537 crosses under the N2 Section 28 and links the Port Dunford communities in the East to the R102 in the West. The N2 was upgraded a dual carriageway in 2017 which result in a new NBC underpass structure being constructed using an MSE type abutments and precast beams. Therefore Earthworks, layerworks and asphalt pavement is required to be constructed included resurfacing and widening of the P537 within the planned interchange area.

## C3.1.3: DESCRIPTION OF THE PROJECT

<b>C3.1.3</b>	<p>The Services required of the Service Provider are divided into the following distinct stages:</p> <p>Design Development which shall include the following phases: Review of the detail design Tender Documentation. Identifying material sources including investigations, assessments, environmental process etc. Finalising the Tender Document. Clarification Meeting, Tender Period and Tender Evaluation. Administration and Monitoring of the Works Contract. Additional duties, Special Services and Specialist Advice. Quality Control: Works Contract. Close Out.</p>
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# C3.1.4: Determination of Remuneration

C3.1.4	<p><b>C3.1.4 Determination of Remuneration</b></p> <p>The basis for determining remuneration shall be based on 4 (four) different methods, which are not necessarily mutually exclusive, namely:</p> <ol style="list-style-type: none"><li>1. Fee based on the cost of works;</li><li>2. Separate payment for services that are additional to those provided for in the normal fee-based calculation;</li><li>3. Time based fees; and</li><li>4. Reimbursable expenses.</li></ol> <p>a) Fee determination</p> <p>The determination of fees will be based on different construction work types, i.e. road works, structures and other works (e.g. mechanical, electrical, electronic, buildings, etc.). The estimated cost of construction for each work type is provided by the Employer. This cost of works is a forecasted estimate escalated to the planned commencement date of the works contract (excluding contingencies, CPA during the construction period and VAT). Where a full service is not required, or the commencement date of the works contract is unknown the forecasted cost of the works will be escalated to the completion date of the service.</p> <p>The remuneration payable shall be based on the tables below, depending on the type of service required</p>
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# C3.1.4: Determination of Remuneration

<b>C3.1.4</b>	<b>Table C3.1.4(a): Remuneration payable</b>			
	<b>Section</b>	<b>Stage</b>	<b>Remuneration payable</b>	
			<b>Road Works, Structures, Building, Other</b>	<b>Mechanical, Electrical, Electronic</b>
	C3.2	Project Assessment	Tendered separately and excluded from the fee	
	C3.3	Investigations for Design Development	Tendered separately and excluded from the fee	
	C3.4	Design Development: 1. Concept Design 2. Preliminary Design 3. Detailed Design	Fee based on Table C3.1.4(b) below	Fee based on Table C3.1.4(c) below
	C3.5	Tender Documentation	Tendered as separate payment and not part of fee	
	C3.6	Clarification Meeting, Tender Period & Tender Evaluation	Tendered as separate payment and not part of fee	
	C3.7	Administration & Monitoring of the Works Contract	Fee based on Table C3.1.4(b) below plus reimbursable expenditure for site personnel	Fee based on Table C3.1.4(c) below plus reimbursable expenditure for site personnel
	C3.8	Additional Duties, Special Services and Specialist Advice	Tendered as separate payment and not part of fee	
	C3.9	Quality Control: Works Contract	Tendered as separate payment plus reimbursable expenditure for site laboratory	
	C3.10	Close Out	Fee based on Table C3.1.4(b) below plus any reimbursable expenditure	Fee based on Table C3.1.4(c) below plus any reimbursable expenditure

## C3.1.9: PROJECT PROGRAMME

	Project Stage/Phase	Stage/Phase Completion Date
A	Submission of Tenders / Proposals	03 May 2024
B	Appointment of Service Provider	1 August 2024
C	Project Hand-over meeting	1 September 2024
D	First Progress meeting	1 October 2024
E	Submission of draft Assessment Report	n/a

The Employer shall attempt to coincide the completion of all work packages with the end of the contract appointment as far as possible. However, if a particular work package runs beyond the end of the contract, the Service Provider shall be allowed to complete the work package, or the particular phase of the work package as agreed with the Employer. The Employer reserves the right to terminate a work package at any phase.



# C3.1.11: PERSONNEL REQUIREMENTS

Position	Minimum Qualification/Registration	Minimum Relevant Experience (years) <sup>1</sup>	Other Requirements
Project Leader	Pr Eng or Pr Tech Eng <sup>1</sup>	10	In the permanent employment of the tendering entity
Assistant Project Leader	Pr Eng or Pr Tech Eng <sup>1</sup>	<10	In permanent employment of the tendering entity or Targeted Enterprise
Design Specialist	Pr Eng or Pr Tech Eng <sup>1</sup>	10	
Assistant Design Specialist	Pr Eng or Pr Tech Eng <sup>1</sup>	<10	In permanent employment of the tendering entity or Targeted Enterprise
Surveyor	Registered Professional Surveyors, Technologist Surveyors, Technician Surveyors	5	Member of SAGC <sup>6</sup>
Engineering Geologist	Pr Sci.Nat <sup>4</sup>	5	SAIEG <sup>3</sup>
Environmental Practitioner	Refer to sub-service procurement document		
OHS Specialist	Design Phase: SACPCMP <sup>1</sup> registration as a Professional Construction HSE Agent Construction Phase: SACPCMP <sup>5</sup> registration as a Professional Construction HSE Agent or Manager	As required by SACPCMP <sup>5</sup>	
Road Safety Audit Team Leader	Pr Eng or Pr Tech Eng <sup>1</sup>	10	Road safety course (5 CPD) Minimum 2 (two) audits within 3 (three) years
Contract Engineer	Pr Eng <sup>1</sup>	10	In permanent employment of the tendering entity or Targeted Enterprise
Assistant Contract Engineer	Pr Eng or Pr Tech Eng <sup>1</sup>	<10	In permanent employment of the tendering entity or Targeted Enterprise
Engineer's Representative (RE)	Pr Eng or Pr Tech Eng <sup>1</sup>	15	
Assistant RE	Pr Tech candidate	5	
Senior Materials Technician	None specified	20	
	National Diploma in civil engineering	10	
	Pr Techni Eng <sup>1</sup>	5	
Materials Technician	None specified	10	
	National Diploma in civil engineering	5	
	Pr Techni Eng <sup>1</sup>	2	
Trainee Technician	Candidate Technician	0	

## C3.1.19: PARTICIPATION OF TARGETED ENTERPRISE(S)

<b>C3.1.19</b>	<p>The Service Provider's Targeted Enterprise(s) become a contractual commitment upon award.</p> <p>The Targeted Enterprise(s) shall be involved throughout the project stages and the percentage tendered in the Contract Data shall be applicable to actual work split (excluding all provisional and prime cost sums but including site staff salaries) amongst the following stages:</p> <ul style="list-style-type: none"><li>• Investigation for Design Development</li><li>• Design Development stage</li><li>• Tender Documentation</li><li>• Clarification Meeting, Tender Period &amp; Tender Evaluation</li><li>• Administration and Monitoring of the Works</li><li>• Additional duties, special services and specialist advice</li><li>• Quality control</li><li>• Close out</li></ul> <p>The use of Targeted Enterprise personnel as site staff during the administration and monitoring of the Works phase is included as part of the percentage tendered in the Contract Data.</p>
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## Part C4: Site Information

### C.4.1 LOCATION OF THE PROJECT

- The proposed new Interchange would be situated approximately midway between the existing Mtunzini and Esikaleni Interchanges which is approximately 9 km's away from each of these two Interchanges. It is within the Mhlatuze local Municipality and King Cetshwayo District Municipality. The minimum spacing recommended in accordance with SANRALs design manual is 2,2 km's. P537 crosses below the N2 facility at a point where the horizontal alignment of the N2 is straight, the vertical longitudinal gradient is less than 1% and visibility is good in both directions.
- The simple diamond access type Interchange was selected as anticipated traffic volumes on P537 are low and thus a systems type interchange would not be appropriate. Furthermore, anticipated traffic movements are not expected to be prominently high in any particular direction which eliminates the need for any directional ramps. This type of interchange is also common to the immediate area namely, Mtunzini; Esikaleni and Empangeni Interchanges. Single lane ramps were designed for as expected traffic volumes are low.



## Part C4: Site Information

### C.4.13 SUB-SERVICE PROVIDERS

The following sub-service may be required on this project:

- Survey
- Peer review
- Environmental Assessment Practitioner
- External OHS auditor
- Geotechnical drilling services
- Specialist technical and contractual sub-services

ANY QUESTIONS?

SEND QUESTIONS TO :

[ProcurementER7@sanral.co.za](mailto:ProcurementER7@sanral.co.za) SUBJECT: NRA N.002-280-2020/1S

**(QUESTIONS MUST REACH SANRAL 12 DAYS BEFORE THE CLOSING DATE.)**