

Reference: R.035-020-2023/2F &

N.014-110-2023/1F

Date: 23/05/2023

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# SANRAL



BUILDING SOUTH AFRICA  
THROUGH BETTER ROADS

Dear Tenderers

**CONTRACT TITLE: CONTRACT SANRAL R.035-020-2023/2F  
CONSULTING ENGINEERING SERVICES FOR THE RESURFACING OF NATIONAL ROUTE R35  
SECTION 2 FROM BETHAL (KM 0.00) TO MIDDELBURG (KM 74.6)**

**And**

**CONTRACT TITLE: CONTRACT SANRAL N.014-110-2023/1F  
CONSULTING ENGINEERING SERVICES FOR THE RESEAL ON NATIONAL ROUTE N14 SECTION  
11 FROM SANNIESHOF KM 0.0 TO COLIGNY KM 62.38**

## **ADDENDUM 2**

This Addendum is issued in terms of Clause C.3.2 of the Tender Data and must be read in conjunction with and shall be deemed to form part of the Tender Document.

Kindly acknowledge receipt of this addendum by completing the ACKNOWLEDGEMENT OF ADDENDUM below. Failure to acknowledge this addendum may invalidate the Tender.

Yours sincerely,

**TSAKANE MATHEBULA**

**PG3 CHAIRPERSON**

**SANRAL NORTHERN REGION**



The South African National Roads Agency SOC Limited  
P.O. Box 415  
Pretoria  
0001

CONTRACT NUMBER: R.035-020-2023/2F & CONTRACT NUMBER: N.014-110-2023/1F

**ACKNOWLEDGEMENT OF ADDENDUM NO.2**

I \_\_\_\_\_

Representing Messrs \_\_\_\_\_

Hereby acknowledge that I have received the above Addendum and that I am conversant with the contents thereof.

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

This Addendum is to be read in conjunction with and shall be deemed to form part of the Contract Documents.

You must therefore acknowledge receipt of this addendum by emailing this form to the South African National Roads Agency SOC Limited at [ProcurementNR1@sanral.co.za](mailto:ProcurementNR1@sanral.co.za) and the original must be attached to the Returnable Schedules.

**Failure to acknowledge receipt of this addendum` may invalidate the Tender.**



(Please note **RED** is to indicate amendment instructions)

AMENDMENT NO. 1	
BOOK 1 OF 2	
BUILDING SOUTH AFRICA THROUGH BETTER ROADS	
Clause / Item	Amendment / Addition
T1.1	<p><b>Replace the following sentence:</b></p> <p>Only tenderers with a B-BBEE contributor status level of 1, 2, 3 or 4, who are registered on the National Treasury Central Supplier Database and meet the minimum requirements for the key persons as stipulated in Clause C.2.1 at the tender closing date, are eligible to tender.</p> <p><b>Replace with the following:</b></p> <p>“Only tenderers who are registered on the National Treasury Central Supplier Database and meet the minimum requirements for the key persons as stipulated in Clause C.2.1 at the tender closing date, are eligible to tender.”</p>
T1.1	<p><b>Closing Date</b></p> <p><b>Replace the date and time with:</b></p> <p>“(AT 11:00) Wednesday, 28 June 2023</p>
C.2.1 Eligibility	<p><b>Delete the following:</b></p> <p>c) Criteria for preferential procurement. Tenderers that have a B-BBEE contributor status level of 1, 2, 3 or 4</p> <p>Tenderers shall submit a valid B-BBEE certificate or sworn affidavit (where applicable) in compliance with Tender Data C3.11 as proof of eligibility”</p>
C.2.7	<p><b>Clarification meeting</b></p> <p><b>Replace the following sentence:</b></p> <p><b>No clarification meeting:</b></p> <p>The arrangements for a clarification briefing presentation is available on the following link <a href="https://www.nra.co.za/sanral-tenders/status?region_id=national">https://www.nra.co.za/sanral-tenders/status?region_id=national</a> 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 clarification briefing presentation.</p> <p><b>Replace with the following:</b></p> <p><b>Non- Compulsory Clarification Meeting (Virtual)</b></p> <p>A tender clarification briefing presentation is available to be downloaded from the SANRAL website by the following link: <a href="https://www.nra.co.za/sanral-tenders/status?region_id=national">https://www.nra.co.za/sanral-tenders/status?region_id=national</a></p> <p>A non-compulsory clarification briefing meeting will be held via a virtual platform on 07 June 2023 at 10:00am 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>



C2.15.2	<p><b>Closing Date</b></p> <p><b>Replace the date and time with:</b></p> <p>“(AT 11:00) Wednesday, 28 June 2023</p>								
C3.4	<p><b>Closing Date</b></p> <p><b>Replace the date and time with:</b></p> <p>“(AT 11:00) Wednesday, 28 June 2023</p>								
C.3.5	<p><b>Two Envelop System</b></p> <p><b>Replace the following sentence:</b></p> <p>The minimum percentage of evaluation points for quality is not less than 70</p> <p><b>Replace with</b></p> <p>The minimum percentage of evaluation points for quality is not less than 80</p>								
C3.7	<p><b>Replace the following sentence:</b></p> <p>“Prior to disqualification in terms of section 14.1 of PPR 2017, 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><b>Replace with the following:</b></p> <p>“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>								
C.3.11	<p><b>Evaluating quality / functionality</b></p> <p><b>Replace the following:</b></p> <table border="1" data-bbox="391 1459 1328 1745"> <thead> <tr> <th data-bbox="391 1459 1135 1591">Description of quality criteria</th> <th data-bbox="1135 1459 1328 1591">Maximum number of Tender evaluation points</th> </tr> </thead> <tbody> <tr> <td data-bbox="391 1591 1135 1644">Technical Knowledge: technical experience comparable projects (Form B1)</td> <td data-bbox="1135 1591 1328 1644">20</td> </tr> <tr> <td data-bbox="391 1644 1135 1696">Management Knowledge: managerial ability in comparable projects (Form B2)</td> <td data-bbox="1135 1644 1328 1696">10</td> </tr> <tr> <td data-bbox="391 1696 1135 1745">Workplan Appropriateness (WA) to the size and nature of the work (Form C2.4)</td> <td data-bbox="1135 1696 1328 1745">25</td> </tr> </tbody> </table>	Description of quality criteria	Maximum number of Tender evaluation points	Technical Knowledge: technical experience comparable projects (Form B1)	20	Management Knowledge: managerial ability in comparable projects (Form B2)	10	Workplan Appropriateness (WA) to the size and nature of the work (Form C2.4)	25
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C3.11	<p><b>Evaluating price and preference</b></p> <p><b>Delete and replace with:</b></p> <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 three points out of 80 for price:</p> $P_s = 80(1 - (P_t - P_m) / P_m)$ <p>Where:</p> <p>P<sub>s</sub> is the points scored for price of tender under consideration.</p>																						



Pt is the price of the tender under consideration; and

Pm is the price of the lowest acceptable tender.

**ii. 90/10 preference point system for acquisition of goods and services for Rand value above R50 million**

The following formula will be used to calculate the points out of 90 for price:

$$P_s = 90(1 - (P_t - P_m) / P_m)$$

Where:

P<sub>s</sub> is the points scored for price of tender under consideration.

P<sub>t</sub> is the price of the tender under consideration; and

P<sub>m</sub> is the price of the lowest acceptable tender.

In the event that the calculated value is negative, the allocated score shall be 0 (zero).

**Scoring preference (Specific Goals):**

Points for specific goals will be awarded according to the table below:

Specific goals	Criteria	10 points		20 points	
		Point allocation	Max points	Point allocation	Max points
B-BBEE level scorecard of the tendering entity.	B-BBEE Level 1	1,00	1	2,00	2
	B-BBEE Level 2	0,90		1,80	
	B-BBEE Level 3	0,60		1,20	
	B-BBEE Level 4	0,50		1,0	
	B-BBEE Level 5	0,40		0,80	
	B-BBEE Level 6	0,30		0,60	
	B-BBEE Level 7	0,20		0,40	
	B-BBEE Level 8	0,10		0,20	
	Non-compliant contributor	0		0	
Percentage black	< 51 % black ownership	0	5	0	10



ownership of the tendering entity.	≥ 51 to < 70 % black ownership.	1	4	2	8
	≥ 70 to < 100 % black ownership.	2		4	
	100 % black ownership	5		10	
Percentage Subcontracting to Targeted Enterprises	Min 40 % subcontracting	0	4	0	8
	> 40 to < 45 % subcontracting	1		2	
	≥ 45 to < 50 % subcontracting	2		4	
	≥ 50 % subcontracting	4		8	

Points for specific goals will be awarded according to the table below:

1. The tenderer's scorecard shall be a B-BBEE Certificate 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; 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
- i. The scorecard shall be submitted as a certificate attached to Returnable Schedule Form D1; and
- ii. The certificate shall:
  - 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 R1.8million 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
- iii. A valid BBBEE Certificates shall contain:
  - 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.
  - 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.
  - iv. A valid Sworn Affidavit shall contain:
    - 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, and
  - v. Compliance with any other information requested to be attached to Returnable Schedule Form D1; and
  - vi. 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.
2. Black ownership
- i) The bidder must complete Form A14: Black ownership declaration.
  - ii) \*Verification of ownership will be based on share certificate. SANRAL reserves the right to engage with the shareholders.
- Subcontracting
- 3 i) Tenderers must complete Form A15: Sub-contracting declaration.

### **Sub-contracting**

If the tender documents indicate that the tenderer intends sub-contracting 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 B-BBEE level (under Specific Goals) shall be awarded, unless the intended sub-contractor is an EME that has the capacity to execute the sub-contract.

### **Criteria for breaking deadlock**

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.

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>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>						
<p><b>T2.1 RETURNABLE SCHEDULES</b></p>	<p><b>Add the following new forms to the List of Returnable Schedules:</b></p> <table border="1"> <tr> <td>A14</td> <td>PDF</td> <td>BLACK OWNERSHIP DECLARATION</td> </tr> <tr> <td>A15</td> <td>PDF</td> <td>SUB-CONTRACTING DECLARATION</td> </tr> </table>	A14	PDF	BLACK OWNERSHIP DECLARATION	A15	PDF	SUB-CONTRACTING DECLARATION
A14	PDF	BLACK OWNERSHIP DECLARATION					
A15	PDF	SUB-CONTRACTING DECLARATION					
<p><b>T2.2 RETURNABLE SCHEDULES</b></p>	<p><b>Add the following new forms to the Table of Content:</b></p> <p>FORM A14: BLACK OWNERSHIP DECLARATION</p> <p>FORM A15: SUB-CONTRACTING DECLARATION</p>						
<p><b>FORM A3.3</b></p>	<p><b>Replace with Appendix G format</b></p>						
<p><b>Form A13</b></p>	<p><b>Replace Form A13 with Attached Appendix A</b></p> <p>The title of the forms is not changed.</p> <p><b>Closing Date</b></p> <p><b>Replace the date and time with:</b></p> <p>“(AT 11:00) Wednesday, 28 June 2023</p>						
<p><b>FORM A14</b></p>	<p><b>Add the form by utilising Appendix E format</b></p>						
<p><b>FORM A15</b></p>	<p><b>Add the form by utilising Appendix F format</b></p>						
<p><b>AMENDMENT NUMBER 2</b></p>							
<p><b>SANRAL – EXPLANATION OF CONSULTANT TENDER EVALUATION SCORING FOR CONVENTIONAL PROJECTS</b></p>	<p><b>Delete and replace with the following:</b></p> <p>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 compliant and responsive.</p> <p>The criterion for scoring is made up as follows:</p> <table border="1"> <thead> <tr> <th>Evaluation Criteria</th> <th>Points</th> </tr> </thead> </table>	Evaluation Criteria	Points				
Evaluation Criteria	Points						



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

Dependant on the degree of complexity of the type of project and service requirements, the threshold is either a Category 1, 2 or 3, which equates to 70%, 80% or 85% respectively. This is decided before the tender is let and is indicated in the tender document.

For breakdown of individual components:

### Technical Knowledge (30)

The tenderer, for each key position identified, may supply the 3 (three) most recent relevant project experience to that which the tender is let for. This is done in the form of returnable schedules, such as the one below:

FORM B1:		POSITION = PL1				MANAGERIAL POSITION				CANDIDATE'S TECHNICAL/MANAGERIAL RECORD			
Personal Details of Candidate													
NAME		ID NUMBER (NO SPACES)		POSITION IN TEAM		Description							
				Project Leader									
TECHNICAL / MANAGERIAL EXPERIENCE (List only the most recent 3 projects that the tenderer considers relevant to the specified scope of works)													
CLIENT & PROJECT NUMBER (Note 2)	CLIENT (coded)	PROJECT TYPE (coded) (Note 3) * Add additional info in Comments box below if required.	RELEVANT KEY PERSONS EXPERIENCE STARTED (yyyy/mm/dd) (Note 4)	RELEVANT KEY PERSONS EXPERIENCE ENDED (yyyy/mm/dd) (Note 4)	VALUE (in millions of Rand) (* ,000,000) (note 5)	POSITION HELD (Note 6)	POSITION HELD (coded)	Contact Person & Position (Note 7)	Contact Number				
	Other	NONE	Year Month Day	Year Month Day			Undefined						
	Other	NONE	Year Month Day	Year Month Day			Undefined						
	Other	NONE	Year Month Day	Year Month Day			Undefined						

For technical knowledge three (3) areas are evaluated:

- 1) Project Type Relevance
- 2) Period Relevance
- 3) Position Held

Below are lists with possible key persons (with abbreviations) and different project types (with abbreviations) to be selected from:

ABBREVIATION	DEFINITIONS
MO/MA (Excl. RRM)	Maintenance Operations and Ad-hoc Maintenance (excluding RRM projects)
MP/MS	Periodic Maintenance and Special Maintenance
DS	Development Strengthening
DI	Development Improvement
DN	Development New Facilities
CD	Community Development
RRM	Routine Road Maintenance
MSC	Special Maintenance Concrete
MSB	Maintenance Special Bridge
DIB	Development Improvement Bridge
DNB	Development New Bridge



MSS	Maintenance Special Structures
DIS	Development Improvement Structures
DNS	Development New Structures
STREET LIGHTING	Street Lighting
TRAFFIC LIGHTS	Traffic Lights
BUILDING RETICULATION	Building Reticulation
INTERSECTION IMPROVEMENTS	Intersection Improvements
CAPACITY IMPROVEMENT	Capacity Improvement
ADDITIONAL LANES	Additional Lanes
INTERCHANGE DESIGN	Interchange Design
H/V RE-ALIGNMENT	Horizontal / Vertical Re-Alignment
NEW ALIGNMENT	New Alignment
ROUTE DETERMINATION	Route Determination
Strategic modelling/ demand forecasting	Strategic modelling/ demand forecasting
Static (meso) network simulation models	Static (meso) network simulation models
Dynamic (micro) simulation modelling	Dynamic (micro) simulation modelling
Traffic impact studies / local intersections	Traffic impact studies / local intersections
NMT and PT operations	NMT and PT operations
Transport economic studies	Transport economic studies
Transport policy development	Transport policy development
ITS systems	ITS systems
Earthworks Investigation & Design	Investigation and design of earthworks for slopes/cuttings, embankments/fills, borrow pits or quarries
Retaining Structure Investigation & Design	Investigation and design of conventional retaining structures (gravity-, piling-, cantilever-, anchored-walls etc.) or alternative retaining structures (soil nailing, soil strengthened walls, MSE etc.)
Foundation Investigation & Design	Investigation and design of shallow/deep foundations for bridges, major culverts or retaining structures
Tunnelling Investigation & Design	Investigation and design of tunnels for transport infrastructure
MAJOR TCC (WEIGH BRIDGES)	Major Traffic Control Centres (Weighbridge)
TOLLS	Tolls
FMS	Freeway Management Systems
MINOR TCC (BASIC WEIGH BRIDGE)	Minor Traffic Control Centres (Basic Weighbridge)
Geohazard Investigation (Slope Stability)	<ul style="list-style-type: none"> <li>• Slope Stability Investigation</li> <li>• Slope Condition Assessment</li> <li>• Slope Performance Monitoring (instrumental monitoring/remote sensing/GIS)</li> <li>• Slope Stability Management System</li> </ul>



Geohazard Investigation (Subsidence)	<ul style="list-style-type: none"> <li>Dolomite Stability Investigation</li> <li>Subsidence Assessment</li> <li>Subsidence Monitoring (instrumental monitoring/remote sensing/GIS)</li> <li>Dolomite/Subsidence Management System</li> </ul>
Geotechnical Investigation (CL, Quarry and BP Materials Related)	<ul style="list-style-type: none"> <li>Subsurface investigation, material profiling, geological/geophysical logging, sampling, testing or mapping using boring methods</li> <li>Trial pits, soil samplers or in-situ testing methods</li> </ul>
Geotechnical Investigation (Tunnelling)	<ul style="list-style-type: none"> <li>Subsurface investigation, material profiling, geological/geophysical logging, sampling, testing or mapping using boring or geophysical methods</li> </ul>
Geophysical Investigation (Ground Based & Airborne)	<ul style="list-style-type: none"> <li>Subsurface investigation, material profiling, testing or mapping using ground based or airborne geophysical methods</li> </ul>

ABBREVIATION	DEFINITION
PL	Project Leader
APL	Assistant Project Leader
DS	Design Specialist
DA	Design Assistant
CE	Contracts Engineer
ACE	Assistant Contracts Engineer
RE	Resident Engineer
ARE	Assistant Resident Engineer
RM	RRM Route Manager
ARM	Assistant Route Manager
SMT	Senior Materials Technician
CM	Contracts Manager
SA	Site Agent
MT	Materials Technician
ETS	Electronics Systems Engineer
PL(T)	Project Leader (Toll)
DS(T)	Design Specialist (Toll)
CE(T)	Contracts Engineer (Toll)
CM(T)	Contracts Manager (Toll)
ETS(T)	Electronics Systems Engineer (Toll)
ES	Electrical Systems Engineer
MS	Mechanical Systems Engineer
PE(E)	Project Engineer (Client)

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 matrixes 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

## DS Pavement and Materials

Project type \ Experience	1	2	3	4	5
	MP/MS	MSC	DS	DI/DN	
NONE	0	0	0	0	0
MP/MS	5	0	2	2	
MSC	0	5	0	0	
DS	5	3	5	4	
DI/DN	5	3	5	5	



## DS Structures

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

## DS Electrical

	1	2	3	4
Project type \ Experience		<b>STREET LIGHTING</b>	<b>TRAFFIC LIGHTS</b>	<b>BUILDING RETICULATION</b>
1	NONE	0	0	0
2	<b>STREET LIGHTING</b>	5	4	2
3	<b>TRAFFIC LIGHTS</b>	2	5	1
4	<b>BUILDING RETICULATION</b>	1	3	5



## DS Geometrics

	1	2	3	4	5	6	7
type	Project	<b>INTERSECTION IMPROVEMENTS</b>	<b>CAPACITY IMPROVEMENT</b>	<b>ADDITIONAL LANES</b>	<b>INTERCHANGE DESIGN</b>	<b>H/V RE-ALIGNMENT</b>	<b>NEW ALIGNMENT</b>
Experience							
1	NONE	0	0	0	0	0	0
2	<b>INTERSECTION IMPROVEMENTS</b>	<b>5</b>	3	2	3	2	1
3	<b>CAPACITY IMPROVEMENT</b>	4	<b>5</b>	3	2	3	3
4	<b>ADDITIONAL LANES</b>	4	3	<b>5</b>	3	4	4
5	<b>INTERCHANGE DESIGN</b>	5	3	3	<b>5</b>	4	3
6	<b>H/V RE-ALIGNMENT</b>	4	3	2	2	<b>5</b>	4
7	<b>NEW ALIGNMENT</b>	5	3	3	3	5	<b>5</b>
8	<b>ROUTE DETERMINATION</b>	0	0	0	0	2	5



## DS TRAFFIC AND TRANSPORTATION

	1	2	3	4	5	6	7	8	9	10	11	12
Project type Experience	INTERSECTION IMPROVEMENTS	CAPACITY IMPROVEMENT ADDITIONAL LANES	INTERCHANGE ANALYSIS	Traffic Modelling	NEW ALIGNMENT	Public Transport & NMT	Traffic Impact Studies	Trans Economics and Financing	Transport Policy	ITS Systems		
1	NONE	0	0	0	0	0	0	0	0	0	0	0
2	Strategic modelling/ demand forecasting	2	3	3	4	5	5	1	2	4	2	0
3	Static (meso) network simulation models	5	5	5	5	5	2	4	2	2	2	
4	Dynamic (micro) simulation modelling	5	5	5	5	4	3	2	4	0	0	3
5	Traffic impact studies / local intersections	5	3	4	3	2	2	2	5	0	0	0
6	NMT and PT operations	2	1	2	0	2	0	5	2	2	2	0
7	Transport economic studies	0	0	0	0	2	3	2	0	5	3	0
8	Transport policy development	0	0	0	0	0	0	2	0	3	5	0
9	ITS systems	0	0	0	0	0	0	0	0	0	0	5



## DS GEOTECHNICAL

	1	2	3	4	5
Experience \ Project type		<b>Earthworks Investigation &amp; Design</b>	<b>Retaining Structure Investigation &amp; Design</b>	<b>Foundation Investigation &amp; Design</b>	<b>Tunnelling Investigation &amp; Design</b>
1	NONE	0	0	0	0
2	<b>Earthworks Investigation &amp; Design</b>	<b>5</b>	4	2	3
3	<b>Retaining Structure Investigation &amp; Design</b>	4	<b>5</b>	3	3
4	<b>Foundation Investigation &amp; Design</b>	2	3	<b>5</b>	2
5	<b>Tunnelling Investigation &amp; Design</b>	3	3	3	<b>5</b>

## DS ELECTRONIC SYSTEMS

	1	2	3	4	5
Experience \ Project type		<b>MAJOR TCC (WEIGH BRIDGES)</b>	<b>TOLLS</b>	<b>FMS</b>	<b>MINOR TCC (BASIC WEIGH BRIDGE)</b>
1	NONE	0	0	0	0
2	<b>MAJOR TCC (WEIGH BRIDGES)</b>	<b>5</b>	4	2	3
3	<b>TOLLS</b>	4	<b>5</b>	0	0
4	<b>FMS</b>	2	0	<b>5</b>	0
5	<b>MINOR TCC (BASIC WEIGH BRIDGE)</b>	3	0	0	<b>5</b>



## DS Engineering Geologist

		1	2	3	4	5	6
Experience	Project type		<b>Geohazard Investigation (Slope Stability)</b>	<b>Geohazard Investigation (Subsidence)</b>	<b>Geotechnical Investigation (CL, Quarry and BP Materials Related)</b>	<b>Geotechnical Investigation (Tunnelling)</b>	<b>Geophysical Investigation (Ground Based &amp; Airborne)</b>
1	NONE	0	0	0	0	0	
2	<b>Geohazard Investigation (Slope Stability)</b>	5	1	2	2	2	
3	<b>Geohazard Investigation (Subsidence)</b>	2	5	3	2	3	
4	<b>Geotechnical Investigation (CL, Quarry and BP Materials Related)</b>	3	3	5	3	4	
5	<b>Geotechnical Investigation (Tunnelling)</b>	4	4	4	5	4	
6	<b>Geophysical Investigation (Ground Based &amp; Airborne)</b>	2	3	4	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.

### 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 5 (five) is allocated. If the experience is beyond 10 (ten) years but less than 15 (fifteen) years, 2.5 (two and a half) 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.

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

### 3) Position Held



The relevance of the position held during the project experience against the position that is tendered for is evaluated:

Technical Experience **STANDARD DEFINED**

Position Rq \ Experience	PL	APL	DS	DA	CE	ACE	RE	ARE	RM	ARM	SMT	CM	SA	MT	ETS	DS(T)	CE(T)	CM(T)	ETS(T)	ES	MS	PE(E)	UNDEFINED
PL	5	5	2.5	5	5	5	5	5	5	5	2.5	2.5	2.5	2.5	0	0	2.5	2.5	0	0	0	2.5	0
APL	2.5	5	2.5	5	3.75	5	5	5	5	5	2.5	2.5	2.5	2.5	0	0	0	0	0	0	0	0	0
DS	2.5	2.5	5	5	3.75	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	0	0	0	0	0	0	0	2.5	0
DA	0	0	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0
CE	5	5	2.5	5	5	5	5	5	5	5	2.5	2.5	2.5	2.5	0	0	2.5	2.5	0	0	0	2.5	0
ACE	2.5	5	2.5	5	3.75	5	5	5	5	5	2.5	2.5	2.5	2.5	0	0	0	0	0	0	0	2.5	0
RE	2.5	2.5	2.5	2.5	4.5	2.5	5	5	5	5	2.5	2.5	2.5	2.5	0	0	0	2.5	0	0	0	2.5	0
ARE	2.5	2.5	0	2.5	2.5	0	2.5	5	5	5	2.5	0	0	2.5	0	0	0	0	0	0	0	0	0
RM	2.5	2.5	0	2.5	3.75	0	2.5	5	5	5	2.5	0	0	2.5	0	0	0	0	0	0	0	0	0
ARM	0	0	0	0	2.5	0	0	2.5	2.5	5	2.5	0	0	2.5	0	0	0	0	0	0	0	0	0
SMT	0	0	2.5	2.5	1.25	0	2.5	2.5	2.5	2.5	5	0	0	5	0	0	0	0	0	0	0	0	0
CM	2.5	5	2.5	5	5	2.5	5	5	5	5	2.5	5	5	2.5	0	0	2.5	2.5	0	0	0	2.5	0
SA	2.5	2.5	2.5	2.5	3.75	2.5	5	5	5	5	2.5	2.5	5	2.5	0	0	0	0	0	0	0	0	0
MT	0	0	2.5	2.5	0	0	2.5	2.5	2.5	2.5	5	0	0	5	0	0	0	0	0	0	0	0	0
ETS	0	0	2.5	2.5	0	0	0	0	0	0	0	0	0	5	0	0	0	2.5	0	0	2.5	0	
DS(T)	0	0	2.5	2.5	0	0	0	0	0	0	0	0	0	0	5	2.5	2.5	0	2.5	2.5	0	0	
CE(T)	2.5	2.5	2.5	2.5	5	5	2.5	5	2.5	5	0	5	2.5	0	2.5	2.5	5	5	2.5	2.5	2.5	2.5	0
CM(T)	2.5	2.5	2.5	2.5	5	5	2.5	5	2.5	5	0	5	2.5	0	2.5	2.5	2.5	5	2.5	2.5	2.5	2.5	0
ETS(T)	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	2.5	2.5	0	0	
ES	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	0	0	0	2.5	5	2.5	0	0	
MS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	2.5	5	0	0	
PE(E)	2.5	5	2.5	5	5	2.5	2.5	5	5	5	0	2.5	2.5	0	0	2.5	2.5	2.5	0	0	0	5	0
Undefined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Therefore, a total of 45 (forty-five) points can be scored for each key person listed in the tender document. The total for all key persons is totalled and this score is then converted back down into a score out of a maximum of 30 (thirty) for technical knowledge.

**Management Knowledge (15)**

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

For management knowledge up to 2 (two) 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.

- 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:



## 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

PL	Project Leader
APL	Alternate Project Leader
DS	Design Specialist
DA	Design Assistant
CE	Contracts Engineer
ACE	Alternate Contracts Engineer
RE	Resident Engineer
ARE	Assistant Resident Engineer
RM	RRM Route Manager
ARM	Assistant Route Manager
SMT	Senior Materials Technician
CM	Contracts Manager
SA	Site Agent
PL(T)	Project Leader (Toll)
ETS	Electronics Systems Engineer
DS(T)	Design Specialist (Toll)
CE(T)	Contracts Engineer (Toll)
CM(T)	Contracts Manager (Toll)
ETS(T)	Electronics Systems Engineer (Toll)
ES	Electrical Systems Engineer
MS	Mechanical Systems Engineer
PE(E)	Project Engineer (Client)

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.

### Quality System (10)

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



Quality Assurance System Type	
1 System has ISO Certification	10
2 System has been registered for certification	6
3 System is an in-house production	4

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.

### Past Performance (15)

Past Performance reports must be submitted by the tenderer for any 3 (three) completed projects in the last 10 (ten) years by the tenderer (any member of the Joint venture).

Past Performance Ratings will be allocated based on any one or a combination of the following Performance Assessment reports:

- i. CIDB: ANNEX 1 - PSP Performance Report for completed projects

A maximum of 5 (five) points per project and 15 (fifteen) points overall can be scored for past performance as per table below.

CIDB Rating	Poor $x < -0.1$	Adequate $-0.1 \leq x < 0.9$	Good $0.9 \leq x < 1.8$	Excellent $x \geq 1.8$
SANRAL score	1	3	4	5

### Reference letters

A maximum of 5 (five) points per project and 15 (fifteen) points overall can be scored for reference letters as per table below.

Rating	Poor	Adequate	Good	Excellent
SANRAL score	1	3	4	5

### Sworn Affidavit

For tenderers with less than 3 (three) completed projects, a sworn affidavit (refer to Returnable Schedule B6) shall be



submitted stating that the tenderer has in the last 10 (ten) years only completed either 0 (zero), 1 (one) or 2 (two) projects, and as a result cannot submit the required 3 (three) past performance project reports. In the event of a submitted sworn affidavit, the following will apply:

- a) Submission of 0 (zero) past performance project reports, a rating of "Adequate" or 2 (two) points will be applied for all 3 (three) projects.
- b) Submission of 1 (one) past performance project reports, the rating as submitted will be applied, and a rating of "Adequate" or 2 (two) points will be applied for each of the other 2 (two) projects.
- c) Submission of 2 (two) past performance project reports, the ratings as submitted will be applied, and a rating of "Adequate" or 2 (two) points will be applied for the other 1 (one) project.

### Workplan Appropriateness (30)

The tender must supply proposed hours that certain identified items in the Pricing Schedule will require. This is used to gauge the tenderer's knowledge and understanding of the amount of work required to perform the scope of work and is compared to the hours tendered by all the other tenderer's hours to represent industry norm.

Each tender submits their hours calculated from various items in the Pricing Schedule:

SERVICE		PROVIDER		
TOTAL HOURS TENDERED FOR THE SERVICE PROVIDER (ALL CATEGORIES)				0
TOTAL ALL NORMALISED HOURS				0.00
<b>Key Persons Listed for this Project</b>				
SUMMARY OF ALL KEY PERSONS NORMALISED HOURS		NHT	% of Total Hours	% of Key Persons Hours Only
POSITION	NAME		#DIV/0!	#DIV/0!
PL1		0.00	#DIV/0!	#DIV/0!
DS1		0.00	#DIV/0!	#DIV/0!
CE1		0.00	#DIV/0!	#DIV/0!
TOTAL KEY PERSONS NORMALISED HOURS ONLY		0.00		
TOTAL ALL NORMALISED HOURS		0.00		

The Workplan Appropriateness hours are entered on a spreadsheet to calculate the 80<sup>th</sup> percentile.



CALCULATION OF HOUR BENCHMARK AND WORKPLAN APPROPRIATENESS SCORE						ENTER HOURS TENDERED AS PER C2.4
Number	Consultant	Tender Responsive	Sum Normalised Hours	Sum Normalised Hours Outliers Removed	WA Score Max= 30	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	Mean		0			
	Standard Deviation		0			
	Mean +50%		0			
	Mean -50%		0			
	Percentile	80%		0.00		
	Points Drop per % under BM		0.5			

The following steps are followed:

- 1) Calculate the mean of all compliant, responsive tenders.
- 2) Determine 50% above and below the mean.
- 3) Re-calculate the mean excluding any outliers identified above.
- 4) Determine the 80% percentile based on the tenderers of Sum Normalised Hours with Outliers Removed.
- 5) Allocate points (to all responsive tenders including outliers) out of 30 based on the percentage (%) difference between the tenderers normalised hours and the 80<sup>th</sup> percentile hours. Any negative values will score 0 (zero) points.
- 6) The formula used to calculate the points allocated to each compliant responsive tenderer is:
 
$$= \text{Workplan Appropriateness points } (30) - 100 * ((1 - \text{Tenderers hours} / 80 \text{ Percentile hours}) * \text{Points drop per \% above or below } 80 \text{ percentile}(0,5))$$

**Conclusion**

The various scores for the 5 (five) criteria are added together to establish the final score for the tenderer and whether the tender makes the required threshold allocated to this project.

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**FORM B7**

**TARGETED ENTERPRISE / SUB-CONTRACTOR DETAILS AND DECLARATION**

**Delete and replace with the following:**

Notes to Tenderer:

1. No sub-contracting requirements for EME and QSE and submission of Form B7 is not required.
2. Minimum sub-contracting requirement for Generic Entities is 40%.
3. Generic Entities:
  - Must complete Form B7 provided in MS Excel format and include supporting documents.
  - Must complete Form B7 for each and every Targeted Enterprise/sub-contractor to be utilised.
  - Must provide a signed duplicate Form B7 in pdf format (signed by both the Tenderer and the Targeted Enterprise/sub-contractor).
4. When selecting a Targeted Enterprise/sub-contractor, ensure that the following requirements are adhered to:
  - Targeted Enterprise/sub-contractor are limited to participate in a maximum of 6 (six) concurrent projects with the Service Provider and the Employer.
  - Compliance with the definition of a Targeted Enterprise as stated in the Conditions of Contract in Clause 1: Definitions.
  - Compliance with Treasury Regulation – refer to Clause 11.2 of the Contract Data.



	<ul style="list-style-type: none"> <li>• Targeted Enterprises from the Province in which the project is located must participate in a minimum of 1/3 (one third) of the tendered percentage of Contract Price (excluding provisional and prime cost sums and the respective mark-up but including provision for site supervision staff and the respective mark-up) – refer to Clause 5.1.7 of the Contract Data.</li> </ul> <p>5. Supporting documents required:</p> <ul style="list-style-type: none"> <li>• For Targeted Enterprises from the Province in which the project is located: proof of address older than 3 (three) months and proof of B-BBEE status.</li> <li>• For other Targeted Enterprises: proof of B-BBEE status.</li> </ul> <p>6. Where it is a requirement to submit Form B7, the tender will be deemed non-responsive if:</p> <ul style="list-style-type: none"> <li>• Form B7 is not signed and/or submitted by both the Tenderer and the Targeted Enterprise.</li> <li>• The Tenderer tenders less than 40%.</li> <li>• No supporting documents (listed in point 5 above) for the proposed Targeted Enterprise are provided.</li> <li>• The proposed Targeted Enterprise does not comply with the definition of a Targeted Enterprise – refer to Conditions of Contract: Clause 1: Definitions.</li> <li>• The participation of Targeted Enterprise from the Province in which the project is located is less than 1/3 (one third) of the required percentage.</li> <li>• The financial information (full pricing schedule) is included in the Technical Envelope.</li> <li>• Part of the Pricing Schedule information is included in the Technical Envelope – scope of sub-contract values.</li> </ul>
<b>AMENDMENT 3</b>	
	<b>BOOK 2 OF 3</b>
C1.2.2 CONTRACT DATA INFORMATION PROVIDED BY THE EMPLOYER	Replace the “30%” Clause 3.11.1(d) with “100%.”
FORM D1	Add attached Appendix B, after sub-paragraph (j) as a next page.
<b>AMENDMENT 4</b>	
	<b>BOOK 3 OF 3</b>
Clause C3.1.9 Project Programme	<p><b>Amendments to the Table 3.1.9:</b></p> <p><b>Submission of Tenders / Proposals:</b></p> <p><b>Replace the date Wednesday 28 June 2023</b></p>
Clause C3.7.3 Establishment of	<b>Replace the following note to compiler:</b>



supervisory personnel on site	70%  <b>Replace with the following:</b>  "80%
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RETURNABLE SCHEDULES (SEE SEPERATELY ATTACHED APPENDICES)

**APPENDIX A : FORM A13-SBD1**

**APPENDIX B: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 (SBD 6.1)**

**APPENDIX E: BLACK OWNERSHIP DECLARATION**

**APPENDIX F: SUB-CONTRACTING DECLARATION**

**APPENDIX G: DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES**