



Fezile Dabi

District Municipality

BID NUMBER: BID002/2026-27

Notice Number: SCM002/2026-27

**PROCUREMENT OF A PROFESSIONAL SERVICE
PROVIDER FOR THE MANAGEMENT OF THE
FEZILE DABI DISTRICT MUNICIPALITY ROAD
ASSET MANAGEMENT SYSTEM INCLUDING
OPERATIONAL REQUIREMENTS FOR A PERIOD
OF MAXIMUM 36 MONTHS**

**NAME OF ISSUING AUTHORITY:
FEZILE DABI DISTRICT MUNICIPALITY**

**ADDRESS OF ISSUING AUTHORITY:
John Vorster Rd
Sasolburg
1947**

Name of Tenderer..... Date

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THE TENDER

T1: TENDERING PROCEDURES

T1.1: TENDER NOTICE AND INVITATION TO TENDER

T1.2: TENDER DATA

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T1.1: TENDER NOTICE AND INVITATION TO TENDER

FEZILE DABI DISTRICT MUNICIPALITY



NOTICE NUMBER: SCM 002/2026-27.

BID NO: BID002/2026-27.

ADVERT: PROCUREMENT OF A PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS.

Fezile Dabi District Municipality hereby invites bidders to bid for the provision of professional services for a maximum 36 months period on the road asset management system including operational requirements.

Requirements:

- The Overall Project Manager/Director, Visual Assessment Project Manager, and Bridge Inspections Project Manager must be registered with ECSA (or a similar international body recognized under the Sydney or Dublin Accords) as a Professional Civil Engineer or a Professional Civil Engineering Technologist (Pr Eng/Pr Tech Eng) or equivalent. The prospective tenderers must submit proof of registration with ECSA or equivalent international body and certified copies of the professional registration certificate(s) or the applicable registration number(s) must be attached to the appropriate page(s) in the tender document.
- There will be a compulsory briefing session on Wednesday, 23 September 2026 at 11H00.
- Bid document will be obtainable as from Thursday, 10 September 2026 from supply chain Management unit, Fezile Dabi District Municipality offices upon payment of **R250.00** non-refundable fee (cash or direct deposit with a proof of deposit).

Functionality	Points:
Part A: Key personnel	62
Part B: Capacity and Experience	28
Part C: Quality Systems	10

NB: Companies should obtain at least 80% for functionality/threshold to be further evaluated

- Sealed Bids should clearly indicate: **Advert of Professional service provider for the Management of the Fezile Dabi District Municipality Road Asset Management System including Operational Requirements:**
Bid No: BID002/2026-27

Enquiries: SCM Unit
Mrs M Moeketsi
016 970 8600 - 8709

Please note:

1. **No bid will be accepted from persons in the service of the state.**
2. **Valid company tax clearance certificate must be attached/pin number**
3. **Copy of the company registration certificate/founding certificate must be attached**
4. **Municipal rates & taxes information in the bid document must be duly completed by your Local Municipality or your Landlord.**
5. **All compulsory/supplementary forms contained in the bid documents must be completed and signed(MBD1, 2, 4, 6, 8 & 9 amongst others)**
7. **No telegraphic, telefax and late Bids will be accepted.**
8. **Municipality is not bound to accept the lowest Bid.**
9. **Municipal Supply chain management policy and Preferential Procurement policy Framework Act No 5 of 2000 (80/20 preferential points allocation system) will be applied.**
10. **Failure to comply with the above mentioned conditions may invalidate your bid.**
11. **Bids will remain valid for 90 days.**
12. **Preference will be given to Respondents based on their locality and Historical Disadvantaged Individual (HDI).**
13. **All bidders must ensure that they are registered on the National Treasury Central Supplier Database via the following link: business.support@csd.gov.za. Since no business will be conducted with any bidder who is not registered on the database.**
14. **Closing date 12 October 2026 at 12:00**

Mr. A. Mgcina
ACTING MUNICIPAL MANAGER

In terms of Preferential Procurement Regulation of 2022, the Fezile Dabi District Municipality will be applying the 80/20 preference point system.

- **80 Points will be allocated for Price as per MBD6.1**
- **20 Points will be allocated for Specific Goals as per MBD6.1**

Failure to submit the following required documents will render the tender disqualified:

- The Overall Project Manager/Director, Visual Assessment Project Manager, and Bridge Inspections Project Manager must be registered with ECSA (or a similar international body recognized under the Sydney or Dublin Accords) as a Professional Civil Engineer or a Professional Civil Engineering Technologist (Pr Eng/Pr Tech Eng) or equivalent. The prospective tenderers must submit proof of registration with ECSA or equivalent international body and certified copies of the professional registration certificate(s) or the applicable registration number(s) must be attached to the appropriate page(s) in the tender document.

Alternatively, persons who are not registered with any of the bodies described above, can be proposed for all the positions (except the bridge inspection project manager and the road safety project manager) if they have significant (+20 years) relevant and appropriate experience in a managerial position on RAMS/PMS projects of comparable scale and complexity. 10 years of this experience must have been obtained in the past 15 years.

- The Overall Project Manager must have at least 7 years relevant experience (obtained in the past 10 years) in managing PMS/RAMS project implementation and/or PMS/RAMS operational activities. Non-registered persons proposed for this post must have at least 20 years relevant RAMS experience, 10 years of which has been obtained in the past 15 years
- The Project Managers for Visual Assessment must have a minimum of 5 years previous relevant experience (gained in the past 8 years) in managing such processes. Non-registered persons proposed for this post must have at least 20 years relevant RAMS experience, 10 years of which has been gained in the past 15 years.
- The Bridge Inspections Project Manager (Senior Bridge Inspector) must have at least 5 years post COTO/SANRA accreditation experience in TMH19/22 visual assessment of bridges and major culverts and be accredited with the Committee of Transport Officials (COTO) as a Senior Bridge Inspector. Tenderers must submit proof of COTO accreditation. The aforementioned experience must have been obtained over the past 8 years
- The individual bridge and major culvert inspectors must be COTO accredited with a minimum of 3 years post COTO/SANRA registration with this experience being gained over the past 5 years. Tenderers must submit proof of COTO accreditation.
- Tenderers must include a minimum of 01 N^o Bridge Inspector and 01 N^o Major Culvert Inspectors in their tenders.
- Tenderers must include a minimum of 02 N^o Paved Roads Visual Assessors, 02 N^o Unpaved Roads Visual Assessors. The paved roads assessors must have a minimum of 3000 km (rural)/500km (urban) of visual assessments experience whilst the un-paved assessors must have completed at least 2000 km (rural)/500km (urban) of visual assessments.

Please note that one person cannot perform more than one function except for:

- The Overall Project Manager can also be proposed as the Visual Assessment Project Manager The Bridge Inspector(s) can inspect major culverts and perform the function of the Bridge Inspections Project Manager
- The Paved Roads Visual Assessor(s) can assess unpaved roads

- The tendering Firm **MUST** have at least 5 years (in the past 10 years) experience in undertaking RAMS projects of comparable scale and complexity
- Tenderers must be in **possession** (either solely or in Joint Venture) **OR** be able to **provide** all the road surveillance / testing equipment for the **paved roads** instrument measurements.
- Completed and signed compulsory MBD documents, e.g. MBD 1, MBD2, MBD 4, MBD 6.1, MBD7.2, MBD 8, MBD 9 etc., which form part of the tender document, must be submitted.

**PART A
INVITATION TO BID**

MBD1

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE FEZILE DABI DISTRICT MUNICIPALITY					
BID NUMBER:	BID002/2026-27	CLOSING DATE:	12 October 2026	CLOSING TIME:	12:00
DESCRIPTION	Provision of professional services for a maximum of 36 months period on the road asset management system for Fezile Dabi District Municipality.				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7.2).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
Fezile Dabi District Municipality					
Fezile Dabi District Municipality Building					
John Vorster Road					
Sasolburg					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		☐ Yes ☐ No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE		R
SIGNATURE OF BIDDER			DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL INFORMATION MAY BE DIRECTED TO:		
DEPARTMENT			DEPARTMENT		
CONTACT PERSON			CONTACT PERSON		
TELEPHONE NUMBER			TELEPHONE NUMBER		
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS			E-MAIL ADDRESS		

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:	
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.	
2. TAX COMPLIANCE REQUIREMENTS	
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS. 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA. 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B: 3. 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.	
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS	
3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? NO	☐ YES ☐
3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? NO	☐ YES ☐
3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? NO	☐ YES ☐
3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? NO	☐ YES ☐
3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? NO	☐ YES ☐
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.	

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:

1.2: TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of SANS 294:2004 and are included herein as T1.3 for ease of reference.

The Standard Conditions of Tender make several references to the tender data for details that apply specifically to this tender. The tender data shall have precedence in the interpretation of any ambiguity of inconsistency between it and the Standard Conditions of Tender. Each item of data given below is cross-referenced to the sub clause in the Standard Conditions of Tender to which it mainly applies.

Clause Number	Description / Comment
F.1.1	The Employer is FEZILE DABI DISTRICT MUNICIPALITY
F.1.2	The Project Documentation issued by the Employer comprises the following <u>Part T1 Tendering Procedures:</u> T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data T1.3 Standard Conditions of Tender <u>Part T2 Returnable Documents</u> T2.1 List of Returnable Documents T2.2 Returnable Schedules and Certificates T2.3 Returnable Schedules Required for Evaluation of Tender Offers <u>Part C1 Agreements and Contract Data</u> C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.3 Conditions of Contract <u>Part C2 Pricing Data</u> C2.1 Pricing Instructions C2.2 Pricing Schedule <u>Part C3 Scope of Works</u> C3.1 Project Description C3.2 Project Specifications C3.3 xxxxxxxxxxxxxxxxx
F.2.1	Only those tenderers who satisfy the minimum functionality criteria detailed below will be considered responsive: ▪ The <u>Overall Project Manager/Director, Visual Assessment Project Manager, Instrument Surveys Project Manager and Bridge Inspections Project Manager</u> must be registered with ECSA (or a similar international body) as a professional engineer/technologist`. The prospective tenderers must submit proof of registration with ECSA or equivalent international body. Certified copies of the professional registration certificate or the applicable registration number must be attached as part of the tender document. ▪ The <u>Overall Project Manager</u> must have <u>at least 7 years</u> relevant experience (obtained in past 10 years) in managing PMS/RAMS project implementation PMS/RAMS operational activities ▪ The <u>Project Managers for Visual Assessment</u> must have a minimum of <u>5 years</u> previous relevant experience, obtained over the past 8 years, in managing such activities. ▪ The Bridge Inspections Project Manager (Senior Bridge Inspector) must be accredited with the Committee of Transport Officials (COTO) as a

	Senior Bridge Inspector (tenderers must submit proof of this accreditation with their tender) and have at least 5 years post COTO/SANRA accreditation experience in TMH19/22 visual inspection of bridges and major culverts with this experience having been gained in the past 8 years. ▪ <u>Alternatively</u>, persons who are not registered with any of the bodies described in the first bullet point, can be proposed for all the positions above if they have significant (+20 years) relevant experience in a managerial position on RAMS/PMS projects of comparable scale. 10 of the requisite 20 years must have been obtained in the past 15 years ▪ 01 N^o Bridge Inspector and 01 N^o Major Culvert Inspectors holding relevant COTO accreditation and experience as per the stipulations of Part T1.1 of this document, certified proof of which must be attached to the tender submission. ▪ 02 N^o Paved Road Visual Assessors with at least 3000km(rural)/500km(urban) of paved roads assessment experience and 02 N^o Unpaved Road Visual Assessors with a minimum. of 2000km (rural)/500km (urban) of paved or unpaved roads visual assessment experience are to be provided. Paved Roads Visual Assessors can also be proposed to fill the Unpaved Roads Visual Assessor position(s) ▪ Tendering Firms must have at least 5 years' experience (gained in the past 10 years) of undertaking RAMS projects of comparable scale and complexity
F.2.7	There will be a briefing session as per the tender notice as well as a public opening on the closing date of the tender. A register of tenders and total tender price will be circulated to bidders on request.
F.2.9	The employer does not provide insurance of any kind
F.2.10.3	Pricing schedules are provided for each year of the contract and, therefore, rates and prices are fixed as tendered for the duration of the contract
F.2.12	Alternative tenders are not permitted
F.2.13.1	Only one (1) tender per tenderer or involvement in one (1) joint venture is permitted. Should an entity appear in more than one joint venture, each tender in which the entity appears will be deemed non-responsive
F.2.13.3	Only the original tender document with original signatures and original returnable documents is to be submitted, the tender document is not to be dismantled and any additional documents are to be securely attached to the relevant page in the tender. Any additional documentation is to be bound into an a separate document which is to include clear reference to its contents in relation to the actual tender document
F.2.13.3	The employers address and the tender identification details to be included are: <u>Address:</u> Fezile Dabi District Municipality, 7 John Vorster Rd, Sasolburg, 1947 <u>Identification Details</u> BID No: BID002/2026-27
F.2.13 and F.3.5	A two-envelope process will not be followed.
F.2.16.1	Tenders shall remain valid for a period of 90 days from the date and time of the tender opening as given in F.3.4 of the Tender Data.
F.2.23	The tenderer shall submit ALL forms, schedules, certificates and other information required in Part T2.1 and other sections of the tender document.

F.3.4	The time, date and location for the submission of tender documents is before: Time: 12:00 Date: 12 October 2026 Location: Fezile Dabi District Municipality, Tender Box at the main Building's main entrance, 7 John Vorster Rd, Sasolburg, 1947 Tenders shall be opened and prices recorded immediately after the closing time given above																																																																								
F.3.11	Evaluation Methodology Method 2: Functionality, Price and Specific Goals Tenders will be evaluated as follows: a) Tenders will be checked for compliance with the pre-requisite conditions contained in T1.1 and other parts of this document. Any material non-compliance found will render the tender non-responsive b) Tenders are checked for functional compliance in terms of key personnel, relevant company experience and quality management as follows: <table><tr><th>POSITION</th><th>STATUS</th><th>EXPERIENCE</th><th>POINTS</th></tr><tr><td rowspan="5">3.11.1 Overall Project Manager/Direct or</td><td rowspan="4">Pr.Eng/Pr Tech Eng or ECSA or equivalent</td><td>>11 years</td><td>12</td></tr><tr><td>9 to 11 years</td><td>10</td></tr><tr><td>7 to <9 years</td><td>8</td></tr><tr><td><7 years</td><td>0</td></tr><tr><td>Not Registered</td><td>=> 20 years</td><td>10</td></tr><tr><td></td><td></td><td><20 years</td><td>0</td></tr><tr><td rowspan="5">3.11.2 Visual Assessment Project Manager</td><td rowspan="4">Pr.Eng/Pr Tech Eng or ECSA or equivalent</td><td>>10 years</td><td>10</td></tr><tr><td>7 to 10 years</td><td>8</td></tr><tr><td>5 to <7 years</td><td>6</td></tr><tr><td><5 years</td><td>0</td></tr><tr><td>Not Registered</td><td>>20 years</td><td>8</td></tr><tr><td></td><td></td><td><20 years</td><td>0</td></tr><tr><td rowspan="4">3.11.3 Bridge Inspections Project Manager</td><td rowspan="4">COTO Accredited Senior Bridge Inspector</td><td>> 10 years post COTO/ SANRA</td><td>10</td></tr><tr><td>7 to 10 years post COTO/ SANRA</td><td>8</td></tr><tr><td>5 to <7 years post COTO/ SANRA</td><td>6</td></tr><tr><td><5 years post COTO/ SANRA</td><td>0</td></tr><tr><td rowspan="4">3.11.4 Bridge Inspectors</td><td rowspan="4">COTO Accredited Bridge Inspector</td><td>> 7 years post COTO/ SANRA</td><td>8</td></tr><tr><td>5 to 7 years post COTO/ SANRA</td><td>6</td></tr><tr><td>3 to <5 years post COTO/ SANRA</td><td>4</td></tr><tr><td><3 years post COTO/ SANRA</td><td>0</td></tr><tr><td rowspan="4">3.11.5 Major Culvert Inspectors</td><td rowspan="4">COTO Accredited Major Culvert Inspector</td><td>> 7 years post COTO/ SANRA</td><td>8</td></tr><tr><td>5 to 7 years post COTO/ SANRA</td><td>6</td></tr><tr><td>3 to <5 years post COTO/ SANRA</td><td>4</td></tr><tr><td><3 years post COTO/ SANRA</td><td>0</td></tr><tr><td>3.11.6</td><td>Min 3000 km</td><td>>7000km(rural)/</td><td>7</td></tr></table>	POSITION	STATUS	EXPERIENCE	POINTS	3.11.1 Overall Project Manager/Direct or	Pr.Eng/Pr Tech Eng or ECSA or equivalent	>11 years	12	9 to 11 years	10	7 to <9 years	8	<7 years	0	Not Registered	=> 20 years	10			<20 years	0	3.11.2 Visual Assessment Project Manager	Pr.Eng/Pr Tech Eng or ECSA or equivalent	>10 years	10	7 to 10 years	8	5 to <7 years	6	<5 years	0	Not Registered	>20 years	8			<20 years	0	3.11.3 Bridge Inspections Project Manager	COTO Accredited Senior Bridge Inspector	> 10 years post COTO/ SANRA	10	7 to 10 years post COTO/ SANRA	8	5 to <7 years post COTO/ SANRA	6	<5 years post COTO/ SANRA	0	3.11.4 Bridge Inspectors	COTO Accredited Bridge Inspector	> 7 years post COTO/ SANRA	8	5 to 7 years post COTO/ SANRA	6	3 to <5 years post COTO/ SANRA	4	<3 years post COTO/ SANRA	0	3.11.5 Major Culvert Inspectors	COTO Accredited Major Culvert Inspector	> 7 years post COTO/ SANRA	8	5 to 7 years post COTO/ SANRA	6	3 to <5 years post COTO/ SANRA	4	<3 years post COTO/ SANRA	0	3.11.6	Min 3000 km	>7000km(rural)/	7
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	Paved Road Visual Assessors	Paved Road Assessment Experience	>1150km(urban)		
			5000 to 7000 km(rural) / 800 to 1150km(urban)	6	
			3000 to <5000 km(rural) / 500 to <800km (urban)	4	
			<3000km(rural) / <500km (urban)	0	
	3.11.7 Unpaved Road Visual Assessors	Min 2000 km Unpaved Road Assessment Experience	>7000km(rural)/ >1150km(urban)	7	
			5000 to 7000 km(rural) / 800 to 1150km(urban)	6	
			3000 to <5000 km(rural) /500 to <800km (urban)	3	
			<3000 km(rural) / <500km (urban)	0	
	3.11.8 Firm's Experience	Number of years' experience undertaking similar projects	>10	16	
			5 to 10	14	
			<5	0	
		Surfaced and unsurfaced Km's assessed in past 10 years	>20,000	12	
			10,000 to 20,000	10	
			5,000 to <10,000	7	
			<5000	0	
	3.11.9 Quality Management	Formal ISO Quality Management Certification	Yes	10	
			No	0	

As can be seen from the above, a total of 62 points are available for key personnel. 28 points for tendering firms experience and 10 points for quality systems. A total of 100 points are available.

A minimum score of 80% / 80 functionality points is required to proceed to the next stage of evaluation

c) Tenders will be evaluated for price as follows:

$$Ps = 80 \left(1 - \frac{Pt - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of tender or offer under consideration;

P_t = Comparative price of tender or offer under consideration; and

$P_{\min}$ = Comparative price of lowest acceptable tender or offer.

d) Tenders will be evaluated for Specific Goal (S) as follows:

SPECIFIC GOAL	MAX NUMBER OF POINTS
SL) Locality Points will be awarded for the highest one of the following categories and may not be added up:	
Locality (Based in Fezile Dabi District)	10
Locality (Based in Free State Province)	8
Locality (Based outside Free State Province)	0

	S_{HDI}) Historical Disadvantaged Individual (HDI) Points will be awarded by multiplying the %HDI of the bidder with the Max number of points that can be scored	10	
	e) Final Points Calculation : $P = P_s + S_L + S_{HDI}$		
F.3.18	One copy of the final signed document shall be produced		

T1.3 STANDARD CONDITIONS OF TENDER

These Standard Conditions of Tender have been reproduced from Annexure F of the CIDB Standard for Uniformity in Construction Procurement, Board Notice 136 in Government Gazette No 38960 of 10 July 2015. This reproduction is included for ease of reference of the tenderer and no liability will be accepted by the employer should anomalies be found between the reproduction below and the original document, with the latter taking precedence.

F.1 General

F.1.1 Actions

F.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

F.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

Note: 2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

F.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

F.1.2 Tender Documents

F.1.2.1 The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

F.1.3 Interpretation

F.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

F.1.3.2 These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

F.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

a) conflict of interest means any situation in which:

- i)** someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
- ii)** an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
- iii)** incompatibility or contradictory interests exist between an employee and the

organisation which employs that employee.

b) comparative offer means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;

c) corrupt practice means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;

d) fraudulent practice means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

e) organization means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body;

f) functionality means the measurement according to the predetermined norms of a service or commodity designed to be practical and useful, working or operating, taking into account quality, reliability, viability and durability of a service and technical capacity and ability of a tenderer.

F.1.4 Communication and employer's agent

F.1.4.1 Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

F.1.5 Cancellation and Re-Invitation of Tenders

F1.5.1 An organ of state may, prior to the award of the tender, cancel a tender if

(a) due to changed circumstances, there is no longer a need for the services, works or goods requested

(b) funds are no longer available to cover the total envisaged expenditure

(c) no acceptable tenders are received.

F1.5.2 The decision to cancel a tender must be published in the CIDB website and in the government Tender Bulletin for the media in which the original tender invitation was advertised.

F.1.6 Procurement procedures

F.1.6.1 General. Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

F.1.6.2 Competitive negotiation procedure

F.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

F.1.6.2.2 All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such

clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

F.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

F.1.6.2.4 The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

F.1.6.3 Proposal procedure using the two stage-system

F.1.6.3.1 Option 1 Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2 Option 2

F.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

F.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

F.2 Tenderer's obligations

F.2.1 Eligibility

F.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

F.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

F.2.2 Cost of tendering

F2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

F2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

F.2.3 Check documents

F2.3.1 Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

F2.4.1 Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F.2.5 Reference documents

F2.5.1 Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

F.2.6 Acknowledge addenda

F2.6.1 Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

F.2.7 Clarification meeting

F2.7.1 Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

F.2.8 Seek clarification

F2.8.1 Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

F.2.9 Insurance

F2.9.1 Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the tender offer

F.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.

F2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

F.2.11 Alterations to documents

F.2.11.1 Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

F.2.12 Alternative tender offers

F.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

F.2.12.3 An alternative tender offer may only be considered in the event that the main tender offer is the winning tender.

F.2.13 Submitting a tender offer

F.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

F.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

F.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

F.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

F.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

F.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

F.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

F.2.14 Information and data to be completed in all respects

F.2.14.1 Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

F.2.15 Closing time

F.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

F.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

F.2.16 Tender offer validity

F.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

F.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

F.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.

F.2.16.4 Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".

F.2.17 Clarification of tender offer after submission

F.2.17.1 Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

F.2.18 Provide other material

F.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), referencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

F.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

F.2.19 Inspections, tests and analysis

F.2.19.1 Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

F.2.20 Submit securities, bonds and policies

F.2.20.1 If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

F.2.21 Check final draft

F.2.21.1 Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

F.2.22 Return of other tender documents

F.2.22.1 If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

F.2.23 Certificates

F.2.23.1 Include in the tender submission or provide the employer with any certificates as stated in the tender data.

F.3 The employer's undertakings

F.3.1 Respond to requests from the tenderer

F.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

F.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;

b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture;

or

c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

F.3.2 Issue Addenda

F.3.2.1 If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

F.3.3 Return late tender offers

F.3.3.1 Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

F.3.4 Opening of tender submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

F.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

F.3.6 Non-disclosure

F.3.6.1 Not disclose to tenderers, or to any other person not officially concerned with such

processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

F.3.7 Grounds for rejection and disqualification

F.3.7.1 Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.8 Test for responsiveness

F.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender
- b) has been properly and fully completed and signed
- c) is responsive to the other requirements of the tender documents.

F.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work
 - b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract
 - c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.
- Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors, omissions and discrepancies

F.3.9.1 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate
- b) omissions made in completing the pricing schedule or bills of quantities
- c) arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices;
 - or
 - ii) the summation of the prices.

F3.9.2 The employer must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected

c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

F.3.10 Clarification of a tender offer

F.3.10.1 Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

F.3.11 Evaluation of tender offers

F.3.11.1 General. Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F.3.11.2 Method 1: Price and Specific Goals

In the case of a price and specific goals:

- 1) Score tender evaluation points for price
- 2) Score points for specific goals
- 3) Add the points scored for price and specific goals.

F.3.11.3 Method 2: Functionality, Price and Specific Goals

In the case of a functionality, price and Specific Goals:

- 1) Score functionality, rejecting all tender offers that fail to achieve the minimum number of points for functionality as stated in the Tender Data
- 2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score for functionality as indicated in the tender invitation
- 3) Tenders that have achieved the minimum qualification score for functionality must be evaluated further in terms of the specific goals prescribed in paragraphs 4 and 5 below.

The 80/20 preference point system for acquisition of services, works or goods up to Rand value of R 1 million¹

4 (a)(i) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a rand value equal to, or above R 30 000 and up to Rand value of R 1 000,000 (all applicable taxes included):

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of tender or offer under consideration;

P_t = Comparative price of tender or offer under consideration; and

P_{min} = Comparative price of lowest acceptable tender or offer.

4 (a)(ii) An employer of state may apply the formula in paragraph (i) for price quotations with a value less than R30 000, if and when appropriate.

4 (b) Subject to subparagraph F3.11.4 (c), points can be awarded to a tender for specific goals.

*¹ The Preferential Procurement Regulations, 2017 have increased the value of R 1 million to R 50 million

*² The Preferential Procurement Regulations, 2017 include a revised table

The 90/10 preference points system for acquisition of services, works or goods with a Rand value above R50 million³

5 (a) The following formula must be used to calculate the points for price in respect of tenders with a Rand value above R50 000 000 (all applicable taxes included):

$$P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of tender or offer under consideration;

P_t = Comparative price of tender or offer under consideration; and

$P_{\min}$ = Comparative price of lowest acceptable tender or offer.

5 (b) Subject to subparagraph 5 (c), points can be awarded to a tender for specific goals.

5 (c) A maximum of 10 points may be allocated in accordance with subparagraph 5 (b).

5 (d) The points scored by tender in respect specific goals contemplated in subparagraph 5 (b) must be added to the points scored for price as calculated in accordance with subparagraph 5 (a).

5 (e) Subject to paragraph 4.3.8 the contract must be awarded to the tender who scores the highest total number of points.

F.3.11.6 Decimal places

Score price, preference and functionality, as relevant, to two decimal places.

F.3.11.7 Scoring Price

Score price of remaining responsive tender offers using the following formula:

$$N_{FO} = W_1 \times A$$

Where:

N_{FO} is the number of tender evaluation points awarded for price.

W_1 is the maximum possible number of tender evaluation points awarded for price as stated in the Tender Data.

A is a number calculated using the formula and option described in Table F.1 as stated in the Tender Data.

Table F.1: Formulae for calculating the value of A

FORMULA	COMPARISON AIMED AT ACHIEVING	OPTION 1 ^a	OPTION 2 ^a
1	Highest price or discount	$A = (1 + (P - P_m))/P_m$	$A = P/P_m$
2	Lowest price or percentage commission/fee	$A = (1 - (P - P_m))/P_m$	$A = P_m/P$
* ^a P_m is the comparative off of the most favourable comparative offer; P is the comparative offer under consideration			

***³ The Preferential Procurement Regulations, 2017 have increased the value of R 1 million to R 50 million** ***⁴ The Preferential Procurement Regulations, 2017 include a revised table**

F.3.11.8 Scoring preferences

Confirm that tenderers are eligible for the preferences claimed in accordance with the provisions of the tender data and reject all claims for preferences where tenderers are not eligible for such preferences. Calculate the total number of tender evaluation points for preferences claimed in accordance with the provisions of the tender data.

F.3.11.9 Scoring functionality

Score each of the criteria and sub-criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$N_Q = W_2 \times S_o / M_s$$

Where:

S_o is the score for quality allocated to the submission under consideration

M_s is the maximum possible score for quality in respect of a submission

W₂ is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data

F.3.12 Insurance provided by the employer

F.3.12.1 If requested by the proposed successful tenderer, submit for the tenderer's information the policies and/or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

F.3.13 Acceptance of tender offer

F.3.13.1 Accept the tender offer, if in the opinion of the employer, it does not present any risk and only if the tenderer:

a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement

b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract

c) has the legal capacity to enter into the contract

d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing

e) complies with the legal requirements, if any, stated in the tender data

f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F.3.14 Prepare contract documents

F.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

a) addenda issued during the tender period

b) inclusion of some of the returnable documents

c) other revisions agreed between the employer and the successful tenderer

F.3.14.1 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.15 Complete adjudicator's contract

F.3.15.1 Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.16 Notice to unsuccessful tenderers

F.3.16.1 Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data, or agreed additional period.

F.3.16.2 After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

F.3.17 Provide copies of the contracts

F.3.17.1 Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.18 Provide written reasons for actions taken

F.3.18.1 Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

F3.19 Transparency in the procurement process

F3.19.1 The CIDB prescripts require that tenders must be advertised and be registered on the CIDB i.Tender system.

F3.19.2 The employer must adopt a transparency model that incorporates the disclosure and accountability as transparency requirements in the procurement process.

F3.19.3 The transparency model must identify the criteria for selection of projects, project information template and the threshold value of the projects to be disclosed in the public domain at various intervals of delivery of infrastructure projects.

F3.19.4 The client must publish the information on a quarterly basis which contains the following information:

- Procurement planning process
- Procurement method and evaluation process
- Contract type
- Contract status
- Number of firms tendering
- Cost estimate
- Contract title
- Contract firm(s)
- Contract price
- Contract scope of work
- Contract start date and duration
- Contract evaluation reports

F3.19.5 The employer must establish a Consultative Forum which will conduct a random audit in the implementation of the transparency requirements in the procurement process.

F3.19.6 Consultative Forum must be an independent structure from the bid committees.

F3.19.7 The information must be published on the employer's website.

F 3.19.8 Records of such disclosed information must be retained for audit purposes.

T2: RETURNABLE DOCUMENTS

T2.1 : LIST OF RETURNABLE DOCUMENTS

T2.2 : RETURNABLE SCHEDULES AND CERTIFICATES

T2.1: LIST OF RETURNABLE DOCUMENTS

The table below has been included to assist tenderers in complying with the tender requirements. This notwithstanding the **tenderer is responsibility** to ascertain that ALL requisite documentation is submitted irrespective of the contents of the table below

DOCUMENT REFERENCE	DESCRIPTION	ACTION	TICK IF COMPLETED
T2.2.1	RETURNABLE SCHEDULES AND CERTIFICATES		
T2.2.1A	Certificate of Attendance at Clarification Meeting	Complete	
T2.2.1B	Certificate of Authority for Signature	Complete	
T2.2.1C	MBD 4: Declaration of Interest	Complete	
T2.2.1D	MBD 9: Certificate of Independent Tender Determination	Complete	
T2.2.1E	MBD 8: Declaration of Tenderer's Past Supply Chain Management Practices	Complete	
T2.2.1F	Proof of Registration on the National Treasury Centralised Supplier Database (CSD)	Attach	
T2.2.1G	Record of Addenda to Tender Documents	Complete	
T2.2.1H	Certificate of Tax Compliance (MBD2)	Complete/ Attach	
T2.2.1I	Insurance Details	Complete/ Attach	
T2.2.1J	Bank Details	Complete/ Attach	
T2.2.1K	Certificate of Good Standing from Compensation Commissioner	Attach	
T2.2.1L	Preference Points Claim Form (MBD 6.1)	Attach	
2.1.2 INFORMATION REQUIRED FOR EVALUATION PURPOSES¹			
T2.2.2A	Organisation and Staffing	Attach	
T2.2.2B	Qualifications and Relevant Experience of the Overall Project Director / Manager	Complete/ Attach	
T2.2.2C	Qualifications and Relevant Experience of the Road Visual Assessments Project Manager	Complete/ Attach	
T2.2.2D	Qualifications and Relevant Experience of the Instrument Surveys Project Manager	Complete/ Attach	
T2.2.2E	Qualifications and Relevant Experience of the Road Safety Project Manager	Complete/ Attach	
T2.2.2F	Qualifications and Relevant Experience of the Bridges and Major Culverts Visual Assessments Project Manager	Complete/ Attach	
T2.2.2G	Qualifications and Relevant Experience of Bridge Visual Assessment Inspector	Complete/ Attach	
T2.2.2H	Qualifications and Relevant Experience of Major Culvert Visual Assessments Inspector	Complete/ Attach	
T2.2.2I	Paved Roads Visual Assessments: CVs and TMH9 Part A;B;C and D Network Level Experience Summaries	Complete/ Attach	
T2.2.2J	Unpaved Roads Visual Assessments: CVs and TMH9 Part A and E Network Level Experience Summaries	Complete/ Attach	
T2.2.2K	Summary of Evaluation Points claimed for Key Personnel	Complete	
T2.2.2L	CV's of Support Personnel (as listed on Form T2.2.2A)	Attach	
T2.2.2M	Summary of Tendering Firms Experience	Complete	
T2.2.2N	Certificate of Quality Management Accreditation	Attach	
T2.2.2O	Overall Evaluation Points Claimed	Complete	
T2.2.2P	List of required equipment available for the project (as given in T2.1)	Complete/ Attach	

***1: Failure to submit these documents WILL render the tender submission non-responsive**

T2.2: RETURNABLE SCHEDULES AND CERTIFICATES

FORM T2.2.1A: CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

Notes to Tenderer:

Unless the attendee's name, details and signature **also appear on the attendance register** this Certificate of Attendance shall not be accepted and the tenderer's offer shall be deemed non-responsive.

This is to certify that I,

.....

representative of (tenderer)

of (address)

.....

.....

telephone number

fax number

e-mail.....

attended the clarification meeting on (date)

conducted by

in the presence of (Employer's representative)

TENDERER'S REPRESENTATIVE (Signature).....

EMPLOYER'S REPRESENTATIVE (Signature)

FORM T2.2.1B: CERTIFICATE OF AUTHORITY FOR SIGNATORY

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS.

Notes to tenderer:

1. The signatory for the tenderer shall confirm his/her authority thereto by attaching on the tendering company's letterhead a duly signed and dated copy of the relevant resolution of the board of directors/partners.
2. In the event that the tenderer is a joint venture, a certificate is required from each member of the joint venture clearly setting out:
 - authority for signatory,
 - undertaking to formally enter into a joint venture contract should an award be made to the joint venture,
 - name of designated lead member of the intended joint venture.
3. The resolution below is given as an example of an acceptable format for authorisation, but submission of this page with the example completed **shall not be accepted as authorisation** of the tenderer's signatory.

By resolution of the board of directors passed at a meeting held on

Mr./Ms. ,
whose signature appears below, has been duly authorised to sign all documents in connection with the tender for

BID No: BID002/2026-27

and any contract which may arise therefrom on behalf of the tenderer namely:

.....

SIGNED ON BEHALF OF THE COMPANY:

IN HIS/HER CAPACITY AS:

DATE:

SIGNATURE OF SIGNATORY:

WITNESS:

.....

SIGNATURE

.....

NAME (PRINT)

.....

SIGNATURE

.....

NAME (PRINT)

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state*.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
- 3 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

3.1 Full Name:

3.2 Identity Number:

3.3 Company Registration Number:

3.4 Tax Reference Number:

3.5 VAT Registration Number:

3.6 Are you presently in the service of the state* **YES / NO**

3.6.1 If so, furnish particulars.

.....

.....

3.7 Have you been in the service of the state for the past twelve months? **YES / NO**

3.7.1 If so, furnish particulars.

.....

3.8 Do you, have any relationship (family, friend, other) with persons in the service of the state and who may be involved **YES / NO**

* MSCM Regulations: "in the service of the state" means to be –

(a) a member of –

- (i) any municipal council;
- (ii) any provincial legislature; or
- (iii) the national Assembly or the national Council of provinces;

(b) a member of the board of directors of any municipal entity;

(c) an official of any municipality or municipal entity;

(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

(e) a member of the accounting authority of any national or provincial public entity; or

(f) an employee of Parliament or a provincial legislature.

with the evaluation and or adjudication of this bid?

3.8.1 If so, furnish particulars.

.....
.....

3.9 Are you, aware of any relationship (family, friend, other) between a bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?

YES / NO

3.9.1 If so, furnish particulars

.....
.....

3.10 Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state?

YES / NO

3.10.1 If so, furnish particulars.

.....
.....

3.11 Are any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in service of the state?

YES / NO

3.11.1 If so, furnish particulars.

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

FORM T2.2.1E: DECLARATION OF TENDERERS PAST SUPPLY CHAIN MANAGEMENT PRACTICES

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. wilfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes ☐	No ☐

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		
Item	Question	Yes	No
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)
CERTIFY THAT THE INFORMATION FURNISHED ON THIS
DECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE
TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Js367bW

FORM T2.2.1F: REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIER DATABASE

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

The tenderer shall provide a printed copy of the Active Supplier Listing on the National Treasury Central Supplier Database. (www.treasury.gov.za). In the case of a joint venture (JV), the tenderer shall provide printed copies of the Active Supplier Listing on the National Treasury Central Supplier Database for each member of the JV. Tenderers who are not registered on the Central Supplier Database should attach proof of their application for registration (refer to Tender Data Clause 4.1.1). In the case of a Joint Venture, a printed copy of the Active Supplier Listing must be provided for each member of the Joint Venture.

Name of Contractor:

Central Supplier Database Supplier Number:

Supplier Commodity:

Delivery Location:

SIGNED BY TENDERER:

FORM T2.2.1G: SCHEDULE OF ADDENDA TO TENDER DOCUMENTS

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

SIGNED BY TENDERER:

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

TAX CLEARANCE CERTIFICATE REQUIREMENTS

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

1. In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
3. The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
4. In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
5. Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
6. Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

The tenderer shall also complete the declaration below.

I, (name)
the undersigned in my capacity as (position)
on behalf of (name of company)
herewith grant consent that SARS may disclose to the **Fezile Dabi District Municipality** our tax
compliance status. For this purpose our unique security personal identification number (PIN) is
..... our tax reference number is
and our tax clearance certificate number is

SIGNED BY TENDERER:

FORM T2.2.1I: CERTIFICATE OF INSURANCE COVER

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

The Tenderer shall provide proof of his professional indemnity (PI) insurance showing the scope of that insurance. The PI insurance shall be valid until the anticipated end of the project period. This shall be attached to the separate technical proposal.

The minimum value of the PI insurance shall be for twice the amount tendered, excluding disbursements and contingencies.

In the case of a joint venture or consortium, each party shall prove its professional indemnity insurance.

If the required information is not provided, then the Tender may be deemed to be non-responsive and therefore rejected.

The tenderer shall provide the following details of this insurance cover and attach the actual certificates hereto:

- i) Name of Tenderer:
- ii) Period of Validity:
- iii) Value of Insurance:
 - Professional Indemnity - for each and every case
Company:
Value:
 - General public liability
Company:
Value:
 - 3rd party liability
Company:
Value:
 - SASRIA
Company:
Value:

SIGNED BY TENDERER:

FORM T2.2.1J: TENDERER'S BANK DETAILS

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

Notes to tenderer:

1. The tenderer shall attach to this form a letter (dated less than 3 months prior to the tender closing date) from the bank at which he declares he conducts his account. The contents of the bank's letter must state the credit rating that it, in addition to the information required below, accords to the tenderer for the business envisaged by this tender. Failure to provide the required letter with the tender submission may render the tenderer's offer non-responsive.
2. The tenderer's banking details as they appear below shall be completed.
3. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

The tenderer shall provide the following:

- i) Name of Account Holder:
- ii) Account Number:
- iii) Bank name:
- iv) Branch Number:
- v) Bank and branch contact details.....
.....

SIGNED BY TENDERER:

**FORM T2.2.1K: CERTIFICATE OF COMPLIANCE WITH COMPENSATION FOR
OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT
No.130 OF 1993)**

BID No: BID002/2026-27

**FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT
MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL
REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS**

Notes to tenderer:

- 1.** Discovery that the tenderer has failed to make proper disclosure may result in **Fezile Dabi District Municipality** terminating a contract that flows from this tender on the ground that it has been rendered invalid by the tenderer's misrepresentation.
- 2.** The tenderer shall attach to this Form evidence that he is registered and in good standing with the compensation fund or with a licensed compensation insurer who is approved by Department of Labour in terms of section 80 of the Compensation for Injury and Disease Act, 1993 (Act No. 130 of 1993).
- 3.** The tenderer is required to disclose, by also attaching documentary evidence to this form, all inspections, investigations and their outcomes conducted by the Department of Labour into the conduct of the tenderer at any time during the 36 months preceding the date of this tender.

SIGNED BY TENDERER:

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
(b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of

this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) “**tender**” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) “**price**” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) “**tender for income-generating contracts**” means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) “**the Act**” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \quad \text{or} \quad Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) \text{ or } Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.1.1. Locality

Locality of the company/enterprise, if a portion of the 20/10 points is allocated to promote this goal, the following locality categories should be used. **The points per percentage category will be determined in the tender specification document**

Locality of supplier (Provide proof of address)	Number of Points for preference 80/20
Within the boundaries of Fezile Dabi District Municipality	10
Within the boundaries of Free State	5
Outside of the boundaries of Free State	0

4.1.2. Women Ownership

Women Owned of the company/enterprise, if a portion of the 20/10 points is allocated to promote this goal, the following ownership percentage categories should be used. **The points per percentage category will be determined in the tender specification document**

Women Ownership of the company (Provide shareholder certificate with ID copy)	Number of Points for preference 80/20
81-100% Women owned	5
61-80% Women owned	4
41-60% Women owned	3
21-40% Women owned	2
1-20% Women owned	1
0%- Women owned	0

4.1.3. Disability

Disability owned of the company/enterprise, if a portion of the 20/10 points is allocated to promote this goal, the following ownership percentage categories should be used. **The points per percentage category will be determined in the tender specification document**

People living with disability Ownership of the company (Provide shareholder certificate with ID copy)	Number of Points for preference 80/20
51-100%	5
0-50%	0

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Locality: (Provide proof of address)	-	10	-	
Within the boundaries of Fezile Dabi District Municipality	-	10	-	
Within the boundaries of Free State	-	5	-	
Outside of the boundaries of Free State	-	0	-	
Women ownership: (Provide shareholder certificate with ID copy)	-	5	-	
81-100% Women owned	-	5	-	
61-80% Women owned	-	4	-	:
41-60% Women owned	-	3	-	
21-40% Women owned	-	2	-	
1-20% Women owned	-	1	-	
0%- Women owned	-	0	-	
Disability ownership: (Provide shareholder certificate with ID copy)	-	5	-	
51-100%	-	5	-	
0-50%	-	0	-	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

FORM T2.2.2A: TENDERER'S ORGANISATION AND STAFFING

BID No. 02/2026 - 27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

Notes to tenderer:

1. The intention of this form is to demonstrate the tenderer's project structure, as well as the lines of responsibility between members of the project team and between the project team and the overall company structure. Tenderers are therefore required to attach a project organogram to this page.
2. Tenderers which are large companies may simplify the organogram by 'rolling up' portfolios e.g. combining directors/associates into one box of the organogram. However, the individual positions of the key persons within the structure must still be shown. In certain instances, the same person can fill more than one position as given in sections T1.1 and T1.2 (F.2.1)
3. Joint Venture tenders require each element of the venture to submit separate organograms that show the individual structure of each member company and the lines of responsibility of the proposed personnel involved in the project. In addition there must also be a combined organogram that indicates how the joint venture itself will function and the proposed share of the work will become a contractual obligation between the members of the joint venture.
4. Tenderers shall provide a project organization chart and staffing plan, showing the technical level and composition of the project staff. The organization chart must indicate the key and support personnel that will be engaged on the project and the support staff as follows.
 - a) The Overall Project Manager (K)
 - b) The Project Manager for Visual Assessment (K)
 - c) The Instrument Survey Project Manager (K)
 - d) The Bridge Inspections Project Manager (Senior Bridge Inspector) (K)
 - e) The Road Safety Survey Project Manager
 - f) Bridge Inspectors (K)
 - g) Major Culvert Inspectors (K)
 - h) Paved Road Visual Assessors (K)
 - i) Unpaved Road Visual Assessors (K)
 - j) GIS Practitioner (S)
 - k) Traffic Engineer/Technologist (S)
 - l) Pavement/Materials Engineer/Technologist (S)
 - m) Safety Auditors/Assessors (S)
 - n) Quality Manager (S)

(K) = Key Personnel (S) = Support Personnel

5. The persons indicated for positions a) to g) are to be included on Forms B2.2.2B to B2.2.2H inclusive. If more than one bridge or major culvert inspector is required, the tenderer shall photocopy either Form 2.2.2G or 2.2.2H as required and attach to the equivalent Form as bound into the tender document.
6. The persons indicated for positions h) and i) must be included on a separate Form B2.2.2I and Form B2.2.2J respectively. Should additional persons be required, the requisite Form I and/or J is to be photocopied and attached to the equivalent Form as bound into the tender document.
7. The evaluation points claimed for positions a) to h) inclusive are to be included on Form B2.2.2K.
8. The remaining positions, i.e. posts j) to n) inclusive do not contribute to the evaluation points but, this notwithstanding, an abridged CV (maximum 4 pages) for each position is to be attached to Form B2.2.2L

SIGNED BY TENDERER:

FORM T2.2.2B: KEY PERSONNEL EXPERIENCE: OVERALL PROJECT MANAGER**Note to tenderer:**

The tenderer shall provide details of previous experience required for this project. The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	No. OF YEARS RELEVANT EXPERIENCE
	OVERALL PROJECT MANAGER					

Note *¹ Or equivalent international professional body

Technical/Managerial Experience

List the most recent 5 projects that the tenderer considers relevant to the specified position and scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *² The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Overall Project Manager

SIGNED BY TENDERER:

FORM T2.2.2C: KEY PERSONNEL EXPERIENCE : VISUAL ASSESSMENT PROJECT MANAGER**Note to tenderer:**

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	No. OF YEARS RELEVANT EXPERIENCE
	VISUAL ASSESSMENT PROJECT MANAGER					

Note *1 Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *2 The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable as given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Visual Assessment Project Manager

SIGNED BY TENDERER:

FORM T2.2.2D: KEY PERSONNEL EXPERIENCE : INSTRUMENT SURVEY PROJECT MANAGER

Note to tenderer:

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	NO. OF YEARS RELEVANT EXPERIENCE
	INSTRUMENT SURVEY PROJECT MANAGER					

Note *1 Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *2 The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and the points as given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Instrument Survey Project Manager

SIGNED BY TENDERER:

FORM T2.2.2E: KEY PERSONNEL EXPERIENCE : ROAD SAFETY SURVEY PROJECT MANAGER

Note to tenderer:

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of accreditation with IRAP or similar approved institution as a road safety survey assessor plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	No. OF YEARS RELEVANT EXPERIENCE
	INSTRUMENT SURVEY PROJECT MANAGER					

Note *1 Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *2 The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable as given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Road Safety Survey Project Manager

SIGNED BY TENDERER:

FORM T2.2.2F: KEY PERSONNEL EXPERIENCE : BRIDGE INSPECTIONS PROJECT MANAGER (SENIOR BRIDGE INSPECTOR)

Note to tenderer:

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	No. OF YEARS RELEVANT EXPERIENCE
	BRIDGE INSPECTIONS PROJECT MANAGER					

Note *1 Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *2 The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable as given in clause F.3.11 of the tender data the tenderer claims points for the proposed Bridge Inspections Project Manager (Senior Bridge Inspector)

SIGNED BY TENDERER:

FORM T2.2.2G: KEY PERSONNEL EXPERIENCE : BRIDGE INSPECTOR

Note to tenderer:

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	NO. OF YEARS RELEVANT EXPERIENCE
	BRIDGE INSPECTOR					

Note *¹ Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *² The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable as given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Bridge Inspector

SIGNED BY TENDERER:

FORM T2.2.2H: KEY PERSONNEL EXPERIENCE : MAJOR CULVERT INSPECTOR

Note to tenderer:

The tenderer shall provide details of previous experience required for this project The tenderer is referred to T1.1 and clause 2.1 of the Tender Data and shall insert in the spaces provided below details of the key personnel required to be in the employment of the tenderer or other organisation, in order for the tenderer to be eligible to submit a tender for this project. Proof of professional registration and/or COTO accreditation where relevant plus qualifications and abridged CV's (max 3 pages) must be appended to this form.

NAME	POSITION IN TEAM	ECSA REG. No ¹	ECSA ¹ CATEGORY	SACPCMP REG No	SACPCMP CATEGORY	No. OF YEARS RELEVANT EXPERIENCE
	MAJOR CULVERT INSPECTOR					

Note *¹ Or equivalent international professional body

Technical/Managerial Experience

(List the most recent 5 projects that the tenderer considers relevant to the position and specified scope of works

CLIENT	DESCRIPTION OF PROJECT	PROJECT START DATE	PROJECT END DATE	VALUE	POSITION HELD	CONTACT PERSON AND FIRM ²	CONTACT No ² .

Note *² The onus is on the tenderer to ENSURE that contact details are CORRECT.

Comments:

I confirm that the information provided herein is correct. In terms of the evaluation rules and points applicable as given in clause F.3.11 of the tender data, the tenderer claims points for the proposed Major Culvert Inspector

SIGNED BY TENDERER:

FORM T2.2.2I: EXPERIENCE SCHEDULE / CV's: PAVED ROADS VISUAL ASSESSOR

For every person proposed in the position of "Paved Roads Visual Assessor", tenderers must complete the schedule below providing proof of experience of a minimum of 3000km TMH9 paved road visual condition assessments. In addition to the schedule, an abridged CV (maximum 3 pages) for each proposed person with emphasis on RAMS/PMS projects and visual assessment in particular is to be attached hereto.

SCHEDULE OF PAVED ROADS VISUAL ASSESSMENT.

PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		
PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		

PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		
PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		

SIGNED BY TENDERER:.....

FORM T2.2.2J: EXPERIENCE SCHEDULE / CV's: UNPAVED ROADS VISUAL ASSESSOR

For every person proposed in the position of "Unpaved Roads Visual Assessor", tenderers must complete the schedule below providing proof of experience of a minimum of 2000km TMH9 unpaved road visual condition assessments. In addition to the schedule, an abridged CV (maximum 3 pages) for each proposed person with emphasis on RAMS/PMS projects and visual assessment in particular is to be attached hereto.

SCHEDULE OF UNPAVED ROADS VISUAL ASSESSMENT.

PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		
PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		

PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		
PERSON NAME	PROJECT	DURATION	KILOMETRES ASSESSED	EMPLOYER	CONTACT PERSON	CONTACT DETAILS
TOTAL KILOMETRES				POINTS CLAIMED (F3.11)		

SIGNED BY TENDERER:.....

FORM T2.2.2L: CV's of SUPPORT PERSONNEL

BID No: BID002/2026-27

**FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT
MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS
FOR A PERIOD OF MAXIMUM 36 MONTHS**

The tenderer is to attach to this page abridged CV's (4 pages maximum) of each of the supporting project team members as required on Form T2.2.2A

SIGNED BY TENDERER:

FORM T2.2.2M: SUMMARY OF FIRMS EXPERIENCE IN UNDERTAKING COMPARABLE PROJECTS

BID No: BID002/2026-27

FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS

The tender is to complete the experience schedule below. **Only projects of similar scope, magnitude and complexity are to be included.** Refer to T1.1 and clauses F.2.1 and F.3.11 of the Tender Data

It is the tenderer's responsibility to **ENSURE** that the contact details given below are correct and current. **In addition** to providing the details below, the tenderer is responsible for obtaining an official letter from each of the employers listed below confirming the successful completion of the respective projects or, if the project is ongoing, the successful completion thus far. The letter is to be submitted on an official letterhead including employers stamp and signed by the employer's project manager/project engineer or their superior. Failure to provide such correspondence, will result in the respective project(s) being rejected and will not count towards the allocation of evaluation points.

PROJECT DESCRIPTION	EXTENT OF ROAD NETWORK (KM)	START AND END DATE	EMPLOYER	EMPLOYER CONTACT PERSON

EVALUATION POINTS CLAIMED – REFER TO TENDER DATA CLAUSE F3.11

SIGNED BY TENDERER:

FORM T2.2.2N: CERTIFICATE OF QUALITY ASSURANCE

BID No: BID002/2026-27

**FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT
MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS
FOR A PERIOD OF MAXIMUM 36 MONTHS**

The tenderer is to attach a current valid certificate of ISO Quality Management compliance issued by an accredited Quality Management Certifying Agency

FORM T2.2.20: OVERALL EVALUATION POINTS CLAIMED**BID No: BID002/2026-27****FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS**

The tender is to complete the schedule below by inserting the points claimed for the key personnel as per total points claimed on Form T2.2.2J, together with points claimed for Firms Experience from Form T2.2.2M and points for Quality Assurance Systems Management (ISO Certificate Attached to Form T2.2.2N = 8 points, No certificate attached = 0 points).

CRITERIA	POINTS CLAIMED
KEY PERSONNEL	
EXPERIENCE OF FIRM	
QUALITY ASSURANCE SYSTEMS	
TOTAL POINTS CLAIMED	

SIGNED BY TENDERER:

FORM T2.2.2P: SCHEDULE OF TENDERER'S EQUIPMENT

BID No: BID002/2026-27

**FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT
MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS
FOR A PERIOD OF MAXIMUM 36 MONTHS**

Note to tenderer:

The tenderer shall provide details of the equipment required for this project as given in T1.1. The tenderer is to attach certificates of ownership or equipment order confirmation as relevant. If the equipment is to be provided by a 3rd party or sub-contractor, proof is to be attached from the equipment provider that such is assigned to the tenderer for this contract.

- a) Equipment owned by tenderer (O)
b) Equipment on order (OO)
(State details of arrangements made, with delivery dates)
c) Equipment to be sub-contracted or hired (SC or H)
(State details of sub-contractor or firm renting the equipment)

EQUIPMENT DETAILS	NUMBER TO BE USED ON THIS PROJECT	AVAILABILITY (State either O; OO; SC or H)

SIGNED BY TENDERER:

PART C THE CONTRACT

C1: AGREEMENTS AND CONTRACT DATA

C1.1: FORM OF OFFER AND ACCEPTANCE

C1.2: CONTRACT DATA

C1.3: STANDARD CONDITIONS OF CONTRACT

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution) Fezile Dabi District Municipality in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number: **BID002/2026-27** at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:

- (i) Bidding documents, viz
- Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Filled in task directive/proposal;
 - Preference points claim form in terms of The Preferential Procurement Regulations 2022;
 - Declaration of interest;
 - Declaration of Bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
- (ii) General Conditions of Contract;

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2

DATE:

CONTRACT FORM - RENDERING OF SERVICES

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I in my capacity as..... accept your bid under reference numberdated.....for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

1. DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT ON

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1

2

DATE:

C. SCHEDULE OF DEVIATIONS

The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Tender Data and the Conditions of Tender.

A Tenderer's covering letter will not necessarily be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreement reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.

Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.

Any change or addition to the tender documents arising from the above agreement and recorded here shall also be incorporated into the final draft of the Contract.

1. **Subject:**
 Details:.....

2. **Subject:**
 Details:.....

3. **Subject:**
 Details:.....

4. **Subject:**
 Details:.....

5. **Subject:**
 Details:.....

6. **Subject:**
 Details:.....

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

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

FOR THE TENDERER:

Signature:

Name:

Capacity:

Tenderer: *(Name and address of organisation)*
.....

Witness:

Signature:

Name:

Date:

FOR THE EMPLOYER:

Signature:

Name:

Capacity:

Employer: *(Name and address of organisation)*
.....

Witness:

Signature:

Name:

Date:

C1.2: CONTRACT DATA

The Form of Contract to be used is the standard CIDB Standard Professional Services Contract - Third Edition July 2009 which is reproduced herein for ease of the reference as C1.3. The particular Conditions of Contract applicable to this Project are given below with each item being cross referenced to the relevant clause number in the Conditions of Contract to which it mainly applies.

Section 1: Data provided by the Employer

Clause	Item
1	The Employer is Fezile Dabi District Municipality.
1	The Project is: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING OPERATIONAL REQUIREMENTS and the Period for Performance is a maximum of 36 MONTHS . The contract will end on the 30 th September within the last 12 months of the cycle, irrespective whether the full 36 months were reached or not.
2	Any reference to "Service Provider" shall be taken to be the same as a reference to "Contractor" and vice versa
4.3.2 and 3.4	The authorized and designated representative of the Employer is: <i>The Municipal Manager</i> The Employer's address for receipt of communication is: Telephone: (016) 970 8600 E-mail: info@feziledabi.gov.za Address: 7 John Vorster Street, Sasolburg
3.5	The location of performance of the Project is the road network under the jurisdiction of Fezile Dabi District Municipality
3.6	The Service Provider may not release public or media statements or publish material to the Services or Project under any circumstances
3.12	The penalty payable is 0.25% per Day, subject to a maximum amount of 10% of the sum of the total fee amount.
3.15.1	The programme including ALL the activities is to be submitted on an annual basis. The first programme is due within 14 days of the Contract becoming effective with subsequent programmes being submitted within 7 days of the annual calibration sessions
3.15.2	The Service Provider shall update the programme at intervals not exceeding 4 weeks or as instructed by the employer
3.16	As a separate pricing schedule for each year of the Project has been included in the Pricing Data, the rates and prices submitted (including any time based fees) are deemed to be fixed for the Period of Performance and will not be adjusted for CPI inflation.
5.1.1	Failure to comply with this obligation will result in clause 8.4.1 (c) being applied
5.4.1	The Service Provider is required to provide professional indemnity cover as set out in the Professional Indemnity Schedule of not less than two (2) times the basic fee.
7.2	The Service Provider is required to provide personnel proposed in Forms T2.1.2B to T2.1.2I in FULL accordance with the provisions of clause 7.2 and complete the abridged Personnel Schedule – item 7.2.1 in Section 2 of this Contract Data.
7.2.4 (a)	Replace "15 Days" with "14 Days"
8.1	The Service Provider is to commence the performance of the Service within 14 days of the date that the Contract becomes effective

8.2	The contract shall be concluded at the end of the period for performance or any mutually agreed extension to this period
------------	--

Clause	Item
8.4.1(c)	Replace “thirty (30) days” with “fourteen (14) days”
8.4.3(c)	The period of suspension under clause 8.5 is no to exceed 12 months.
9.1	Copyright of documents prepared for the Project shall be vested with the Service Provider.
12.1.2	Interim settlement of disputes is to be by mediation,
12.2.4	Final settlement is by arbitration
12.4.1	In the event that the parties fail to agree on an arbitrator, the arbitrator is nominated by the President of the Law Society of South Africa
13.1.3	All persons in a joint venture or consortium shall carry a minimum professional indemnity insurance of not less than two (2) times the basic fee.
13.4	Neither the Employer nor the Service Provider is liable for any loss or damage resulting from any occurrence unless a claim is formally made within 12 months from the date of termination or completion of the Contract.
13.6	The provisions of clause 13.6 do not apply to the Contract.
14	Remuneration shall be based on proven progress and/or submission of deliverables
15	The interest rate will be the prime interest rate of the Employer's bank at the time that the amount is due.

Section 2: Data provided by the Service Provider

Clause	Item
1	The Service Provider is:
5.3	The authorised and designated representative of the Service Provider is.: The Service Provider's address for receipt of communication is: Telephone:..... Facsimile:..... E-mail:..... Address:.....

7.1.2

The Key Persons (as per submitted in T2.1.2 B to I inclusive) and their jobs/functions in relation to the services are:

Key Position	Name
Overall Project Manager	
Visual Assessment Project Manager	
Instrument Survey Project Manager	
Road Safety Survey Project Manager	
Senior Bridge Inspector	
Bridge Inspector(s)	
Major Culvert Inspector(s)	
Paved Roads Visual Assessor(s)	
Unpaved Roads Visuals Assessor(s)	

Should additional persons be required/proposed, a separate personnel schedule is to be attached

C1.3: STANDARD CONDITIONS OF CONTRACT

For ease of reference of the tenderer, the following Standard Conditions of Contract have been reproduced from the Standard Professional Services Contract (July 2009) published by the Construction Industry Development Board (CIDB). This notwithstanding, the onus is on the tenderer to refer to the original document the content of which will take precedence over this reproduction should there be any discrepancy.

1. DEFINITIONS

In the Contract, the following words and expressions shall have the meanings indicated, except where the context otherwise requires. Defined terms and words are signified in the text of the Contract by the use of capital initial letters.

- **Contract** : The Contract signed by the Parties and of which these General Conditions of Contract form part.
- **Contract Data** : Specific data, which together with these General Conditions of Contract, collectively describe the risks, liabilities and obligations of the contracting Parties and the procedures for the administration of the Contract.
- **Contract Price** : The price to be paid for the performance of the Services in accordance with the Pricing Data.
- **Day** : A calendar day.
- **Defect** : A part of the Services, as performed, which does not comply with the requirements of the Contract.
- **Deliverable** : Any measurable, tangible, verifiable outcome, result or item that must be produced or completed
- **Employer** : The contracting party named in the Contract who employs the Service Provider.
- **Force Majeure** : An event which is beyond the reasonable control of a Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.
- **Key Persons** : Persons who are named as such in the Contract Data who will be engaged in the performance of the Services.
- **Others**: Persons or organisations who are not the Employer, the Service Provider or any employee, Subcontractor, or supplier of the Service Provider.
- **Parties** : The Employer and the Service Provider.
- **Period of Performance** : The period within which the Services are to be performed and completed, commencing from the Start Date.
- **Personnel** : Persons hired by the Service Provider as employees and assigned to the performance of the Services or any part thereof.
- **Personnel Schedule** : A schedule naming all Personnel and Key Persons.
- **Pricing Data** : Data that establishes the criteria and assumptions that were taken into account when developing the Contract Price and the record of the components that make up the Contract Price.
- **Project** : The project named in the Contract Data for which the Services are to be provided.
- **Scope of Work** : The document which defines the Employer's objectives and requirements and specifies the Services which must, or may, be provided under the Contract.

- **Service Provider** : The contracting party named in the Contract Data who is employed by the Employer to perform the Services described in the Contract, and legal successors to the Service Provider and legally permitted assignees.
- **Services** : The work to be performed by the Service Provider pursuant to the Contract as described in the Scope of Work.
- **Start date** : The date on which the Services are to commence. as stated in the Contract Data
- **Subcontractor** : A person or body corporate who enters into a subcontract with the Service Provider to perform part of the Services.

2. INTERPRETATION

2.1 Unless inconsistent with the context, an expression which denotes:

- a) any gender includes the other genders;
- b) a natural person includes a juristic person and vice versa;
- c) the singular includes the plural and vice versa.

2.2 If there is any conflict between the provisions of these General Conditions of Contract and the Contract Data, the provisions of the Contract Data shall prevail.

2.3 The clause headings shall not limit, alter or affect the meaning of the Contract.

3. GENERAL

3.1 Governing law

Law governing the Contract shall be the law of the Republic of South Africa.

3.2 Change in legislation

If after the commencement of the Contract, the cost or duration of the Services is altered as a result of changes in, or additions to, any statute, regulation or bye-law, or the requirements of any authority having jurisdiction over any matter in respect of the Project, then the Contract Price and time for completion shall be adjusted in order to reflect the impact of those changes, provided that, within 14 Days of first having become aware of the change, the Service Provider furnished the Employer with detailed justification for the adjustment to the Contract Price or Period of Performance (or both)..

3.3 Language

3.3.1 The language of the Contract and of all communications between the Parties shall be English.

3.3.2 All reports, recommendations and reports prepared by the Service Provider under the Contract shall be in English.

3.4 Notices

3.4.1 Any notice, request, consent, approvals or other communication made between the Parties pursuant to the Contract shall be in writing and forwarded to the address specified in the Contract Data. Such communication shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or one week after having been sent by registered post, or unless otherwise indicated in the Contract Data, when sent by e-mail or facsimile to such Party

3.4.2 A Party may change its address for receipt of communications by giving the other Party 30 Days advance notice of such change.

3.5 Location

The Services shall be performed at such locations as are specified in the Contract Data, and where the location of a particular task is not so specified, at such locations as the Employer may approve.

3.6 Publicity and publication

Unless otherwise stated in the Contract Data, the Service Provider shall not release public or media statements or publish material related to the Services or Project within two (2) years of completion of the Services without the written approval of the Employer, which approval by the Employer shall not be unreasonably withheld.

3.7 Confidentiality

Both parties shall keep all sensitive information obtained by them in the context of the Contract confidential and shall not divulge it without the written approval of the other Party.

3.8 Variations

3.8.1 The Employer may, without changing the objectives or fundamental scope of the Contract, order variations to the Services in writing or may request the Service Provider to submit proposals, including the time and cost implications, for variations to the Services.

3.8.2 The reasonable cost of preparation and submission of such proposals and the incorporation into the Contract of any variations to the Services ordered by the Employer, including any change in the Contract Price, shall be agreed between the Service Provider and the Employer.

3.8.3 Where a variation is necessitated by default or breach of Contract by the Service Provider, any additional cost attributable to such variation shall be borne by the Service Provider.

3.9 Changes to the Contract Price or Period of Performance

3.9.1 The Service Provider is entitled to apply to the Employer for a change in Contract Price or the Period of Performance in the event that:

- a) a change in legislation takes place in accordance with the provisions of Clause 3.2;
- b) a variation to the Services is made in accordance with the provisions of Clause 3.8;
- c) the Employer or Others do not perform an action, provide access to people, places or things or perform work in accordance with the programme (see Clause 3.15);
- d) the contract is suspended in accordance with the provisions of Clause 8.5;
- e) the contract is restarted following a suspension;
- f) an event occurs which neither Party could prevent and which prevents the Service Provider from completing the Services or a part thereof

3.9.2 The Service Provider shall submit proposals to change the Contract Price or the Period for Completion (or both) to the Employer within 6 weeks of becoming aware of an event described in 3.9.1 occurring, failing which, the Service Provider shall not be entitled to a change in the Contract Price or Period of Performance.

3.9.3 The Employer shall assess the changes to the Contract Price on the effect of the event on the Services based on time-based fees.

3.9.4 The Employer shall assess the changes to the Period of Performance on the basis of the time that planned completion as shown on the latest approved programme is delayed.

3.10 Sole agreement

The Contract constitutes the sole agreement between the Parties for the performance of the Services and any representation not contained therein shall not be of any force or effect. No amendments will be of any force or effect unless reduced to writing and signed by both Parties.

3.11 Indemnification

The Service Provider shall, at his own expense, indemnify, protect and defend the Employer, its agents and employees, from and against all actions, claims, losses and damage arising from any negligent act or omission by the Service Provider in the performance of the Services, including any violation of legal provisions, or rights of others, in respect of patents, trademarks and other forms of intellectual property such as copyrights.

3.12 Penalty

3.12.1 If due to his negligence, or for reasons within his control, the Service Provider does not perform the Services within the Period of Performance, the Employer shall without prejudice to his other remedies under the Contract or in law, be entitled to levy a penalty for every Day or part thereof, which shall elapse between the end of the period specified for performance, or an extended Period of Performance, and the actual date of completion, at the rate and up to the maximum amount stated in the Contract Data.

3.12.2 If the Employer has become entitled to the maximum penalty amount referred to in 3.12.1, he may after giving notice to the Service Provider :

- a) terminate the Contract
- b) complete the Services at the Service Provider's cost.

3.13 Equipment and materials furnished by the Employer

3.13.1 Equipment and materials made available to the Service Provider by the Employer, or purchased by the Service Provider with funds provided by the Employer for the performance of the Services shall be the property of the Employer and shall be marked accordingly. Upon termination or expiration of the Contract, the Service Provider shall make available to the Employer an inventory of such equipment and materials and shall dispose of them in accordance with the Employer's instructions.

3.13.2 The Service Provider shall, at his own expense, insure the equipment and materials referred to in 3.13.1 for their full replacement value.

3.14 Illegal and impossible requirements

The Service Provider shall notify the Employer immediately, on becoming aware that the Contract requires him to undertake anything which is illegal or impossible.

3.15 Programme

3.15.1 The Service Provider shall, within the time period set out in the Contract Data and whenever a programme is amended or revised, submit for the Employer's approval a programme for the performance of the Services which shall, inter alia, include:

- a) the order and timing of operations by the Service Provider and any actions, access to people, places and things and work required of the Employer and Others;
- b) the dates by which the Service Provider plans to complete work needed to allow the Employer and Others to undertake work required of them;
- c) provisions for float;
- d) the planned completion of the Services or part thereof in relation to a Period of Performance;
- e) other information as required in terms of the Scope of Work or Contract Data.

3.15.2 The Employer may, during the course of the Contract, request the Service Provider to amend the programme. Where this is not practicable, the Service Provider shall advise the Employer accordingly and advise him of alternative measures, if any, which might be taken.

3.15.3 A programme shall be deemed to be approved if the Employer fails to approve such programme or give reasons for not approving a programme within three weeks of receipt of a request by the Service Provider to approve a programme.

3.15.3 The Service Provider shall update the programme:

- a) unless otherwise stated in the Contract Data, every three months to reflect actual progress to date;
- b) whenever a change in Period of Performance or Contract Price is applied for
- c) whenever a change in the Period of Performance is changed by the Employer and submit such revised programme to the Employer for approval.

3.16 Price adjustment to time-based fees for inflation

3.16.1 Time-based fees which are stated in the Pricing Data as a unique rate and are not calculated by multiplying the total annual cost of employment contained, shall unless otherwise stated in the Contract Data, be adjusted in terms of 3.16.2 on each anniversary of the Starting Date.

3.16.2 The adjustment to the time-based fees shall be equal to:

$$(CP_{In} - CP_{Is}) / CP_{Is}$$

where :

CP_{Is} = the indices specified in the Contract Data during the month in which the start date falls CP_{In} = the latest indices specified in Contract Data during the month in which the anniversary of the Start Date falls

4. EMPLOYER'S OBLIGATIONS

4.1 Information

4.1.1 The Employer shall timeously provide to the Service Provider, free of cost, all available information and data in the Employer's possession which may be required for the performance of the Services.

4.1.2 The Employer shall provide the Service Provider with reasonable assistance required in obtaining other relevant information that the latter may require in order to perform the Services.

4.2 Decisions

The Employer shall, within a reasonable time, give his decision on any matter properly referred to him in writing by the Service Provider so as not to delay the performance of Services.

4.3 Assistance

4.3.1 The Employer shall co-operate with the Service Provider and shall not interfere with or obstruct the proper performance of the Services. The Employer shall as soon as practicable:

- a) authorise the Service Provider to act as his agent insofar as may be necessary for the performance of the Services;
- b) provide all relevant data, information, reports, correspondence and the like, which become available;
- c) procure the Service Provider's ready access to premises, or sites, necessary for the performance of the Services;
- d) assist in the obtaining of all approvals, licenses and permits from state, regional and municipal authorities having jurisdiction over the Project, unless otherwise stated in the Contract Data;

4.3.2 Unless otherwise communicated, the authorised and designated person named in the Contract Data has complete authority in giving instructions and receiving communications on the Employer's behalf and interpreting and defining the Employer's policies and requirements in regard to the Services.

4.4 Services of Others

The Employer shall, at his own cost, engage such Others as may be required for the execution of work not included in the Services, but which is necessary for the completion of the Project.

4.5 Notification of material change or defect

The Employer shall immediately advise the Service Provider on becoming aware of:

- a) any matter other than a change in legislation which will materially change, or has changed the Services;
- b) a material defect or deficiency in the Services.

4.6 Issue of instructions

Where the Service Provider is required to administer the work or services of Others, or any contract or agreement, on behalf of the Employer, then the Employer shall issue instructions related to such work, services, contract or agreement only through the Service Provider.

4.7 Payment of Service Provider

The Employer shall pay the Service Provider the Contract Price in accordance with the provisions of the Contract.

5. SERVICE PROVIDER'S OBLIGATIONS

5.1 General

5.1.1 The Service Provider shall perform the Services in accordance with the Scope of Work with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and standards.

5.1.2 If the Service Provider is a joint venture or consortium of two or more persons, the Service Provider shall designate one person to act as leader with authority to bind the joint venture or consortium. Neither the composition nor the constitution of the joint venture or consortium shall be altered without the prior consent in writing of the Employer, which shall not be unreasonably withheld.

5.2 Exercise of authority

The Service Provider shall have no authority to relieve Others appointed by the Employer to undertake work or services on the Project of any of their duties, obligations, or responsibilities under their respective agreements or contracts, unless expressly authorised by the Employer in response to an application by the Service Provider in writing to do so.

5.3 Designated representative

Unless otherwise communicated, the authorised and designated person named in the Contract Data has complete authority to receive instructions from and give information to the Employer on behalf of the Service Provider.

5.4 Insurances to be taken out by the Service Provider

5.4.1 The Service Provider shall as a minimum and at his own cost take out and maintain in force all such insurances as are stipulated in the Contract Data.

5.4.2 The Service Provider shall, at the Employer's request, provide evidence to the Employer showing that the insurance required in terms of Clause 5.4.1 has been taken out and maintained in force.

5.5 Service Provider's actions requiring Employer's prior approval

The Service Provider shall obtain the Employer's prior approval in writing before taking, inter alia, any of the following actions:

- a)** appointing Subcontractors for the performance of any part of the Services,
- b)** appointing Key Persons not listed by name in the Contract Data.
- c)** any other action that may be specified in the Contract Data.

5.6 Co-operation with Others

If the Service Provider is required to perform the Services in co-operation with Others he may make recommendations to the Employer in respect of the appointment of such Others. The Service Provider shall, however, only be responsible for his own performance and the performance of Subcontractors unless otherwise provided for.

5.7 Notice of change by Service Provider

On becoming aware of any matter which will materially change or has changed the Services, the Service Provider shall within 14 Days thereof give notice to the Employer.

6. CONFLICTS OF INTEREST

6.1 Service Provider not to benefit from commissions, discounts, etc.

The remuneration of the Service Provider under the Contract shall constitute the Service Provider's sole remuneration in connection with the Contract, or the Services, and the Service Provider shall not accept for his own benefit any trade commission, discount, or similar payment in connection with activities pursuant to the Contract, or in the discharge of his obligations under the Contract, and shall use his best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them shall, similarly, not receive any additional remuneration.

6.2 Royalties and the like

The Service Provider shall not have the benefit, whether directly or indirectly, of any royalty or of any gratuity or commission in respect of any patented or protected article or process used in or for the purposes of the Contract, or Project, unless so agreed by the Employer in writing.

6.3 Independence

The Service Provider shall refrain from entering into any relationship which could be perceived as compromising his independence of judgement, or that of Subcontractors or Personnel.

7. SERVICE PROVIDER'S PERSONNEL

7.1 General

7.1.1 The Service Provider shall employ and provide all qualified and experienced Personnel required to perform the Services.

7.1.2 Where required in terms of the Contract, the Service Provider shall provide Key Persons as listed in the Contract Data to perform specific duties. If at any time, a particular Key Person cannot be made available, the Service Provider may engage a replacement who is equally or better qualified to perform the stated duty, subject to the Employer's approval, which approval shall not be unreasonably withheld.

7.1.3 Where the fees for the Services are time-based, the fee payable for a person provided as a replacement to a named Key Person shall not exceed that which would have been payable to the person replaced.

7.1.4 The Service Provider shall bear all additional costs arising out of or incidental to replacement of Personnel, except where such replacement is otherwise provided for in the Contract.

7.1.5 The Service Provider shall take all measures necessary and shall provide all materials and equipment necessary to enable Personnel to perform their duties in an efficient manner.

7.2 Provision of Personnel in terms of a Personnel Schedule

7.2.1 The Service Provider shall, where required in terms of the Contract Data, provide appropriate Personnel for such time periods as required in terms of the Contract and enter all data pertaining to Personnel including titles, job descriptions, qualifications and estimated periods of engagement on the performance of the Services in the Personnel Schedule.

7.2.2 Where the Service Provider proposes to utilise a person not named in the Personnel Schedule, he shall submit the name, relevant qualifications and experience of the proposed replacement person to the Employer for approval. Should the Employer not object in writing within 10 Days of receipt of such notification, the replacement shall be deemed to have been approved by the Employer.

7.2.3 The Services shall be performed by the Personnel listed in the Personnel Schedule for the periods of time indicated therein. The Service Provider may, subject to the approval of the Employer, make such adjustments to the data provided in terms of Clause 7.2.1 above as may be appropriate to ensure the efficient performance of the Services, provided that the adjustments will not cause payments to exceed any limit placed on the Contract Price.

7.2.4 The Service Provider shall, if required in terms of Clause 7.2.1:

- a) forward to the Employer for approval, within 15 Days of the award of the Contract, the Personnel Schedule and a timetable for the placement of Personnel.
- b) inform the Employer of the date of commencement and departure of each member of Personnel during the course of the Project.
- c) submit to the Employer for his approval a timely request for any proposed change to Personnel, or timetables.

8. COMMENCEMENT, COMPLETION, MODIFICATION, SUSPENSION AND TERMINATION

8.1 Commencement of Services

The Service Provider shall commence the performance of the Services within the period stated in the Contract Data.

8.2 Completion

8.2.1 Unless terminated in terms of the Contract, or otherwise specified in the Contract Data, the Contract shall be concluded when the Service Provider has completed all Deliverables in accordance with the Scope of Work.

8.2.2 The Service Provider may request an extension to the Period of Performance if he is or will be delayed in completing the Contract by any of the following causes:

- a) additional Services ordered by the Employer;
- b) failure of the Employer to fulfil his obligations under the Contract;
- c) any delay in the performance of the Services which is not due to the Service Provider's default;
- d) Force Majeure;
- e) suspension.

8.2.3 The Service Provider shall within 14 Days of becoming aware that a delay may occur or has occurred, notify the Employer of his intention to make a request for the extension of the Period of Performance to which he considers himself entitled and shall within 30 days after the delay ceases deliver to the Employer full and detailed particulars of the request.

8.2.4 The Employer shall, within 30 Days of receipt of a detailed request, grant such extension to the Period of Performance as may be justified, either prospectively or retrospectively, or inform the Service Provider that he is not entitled to an extension. Should the Service Provider find the decision of the Employer to be unacceptable he shall, nevertheless, abide by such decision in the performance of the Services and the matter shall be dealt with as a dispute in terms of Clause 12.

8.3 Force Majeure

8.3.1 The failure of a Party to fulfil any of its obligations under the Contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures in order to meet the terms and conditions of this Contract, and has informed the other Party as soon as possible about the occurrence of such an event.

8.3.2 In the event that the performance of the Services has to be suspended on the grounds of Force Majeure, the Period of Performance shall be extended by the extent of the delay plus a reasonable period for the resumption of work.

8.3.3 During the period of his inability to perform the Services as a result of an event of Force Majeure, the Service Provider shall be entitled to any payment due in terms of the Contract and shall be reimbursed for additional costs reasonably and necessarily incurred by him in suspending, delaying and re-activating the performance of the Services.

8.4 Termination

8.4.1 The Employer may terminate the Contract:

- a) where the Services are no longer required;
- b) where the funding for the Services is no longer available;
- c) if the Service Provider does not remedy a failure in the performance of his obligations under the Contract within thirty (30) Days after having been notified thereof, or within any further period as the Employer may have subsequently approved in writing;
- d) if the Service Provider becomes insolvent or liquidated;
- e) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) Days;

8.4.2 The Employer shall give the Service Provider not less than thirty (30) Days written notice of any termination made in terms of 8.4.1 (a) or (b).

8.4.3 The Service Provider may terminate the Contract, by giving not less than thirty (30) Days written notice to the Employer after the occurrence of any of the following events:

- a) if the Employer fails to pay any monies due to the Service Provider in terms of the Contract and not subject to dispute pursuant to Clause 12 within forty-five (45) Days after receiving written notice from the Service Provider that such payment is overdue;
- b) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) Days;
- c) when the Services have been suspended under Clause 8.5 and the period of suspension exceeds the period stated in the Contract Data, or it is clear to the Service Provider that it will be impossible or impractical to resume the suspended Services before the period of suspension has exceeded the period stated in the Contract Data;
- d) if the Employer is in material breach of a term of the Contract and fails to rectify such breach within 30 Days of the receipt of written notice requiring him to do so.

8.4.4 Upon termination of this Contract pursuant to Clauses 8.4.1 or 8.4.3, the Employer shall remunerate the Service Provider in terms of the Contract for Services satisfactorily performed prior to the effective date of termination and reimburse the Service Provider any reasonable cost incident to the prompt and orderly termination of the Contract, except in the case of termination pursuant to events (c) and (d) of Clause 8.4.1.

8.4.5 Should the Service Provider, being an individual or the last surviving principal of a partnership or body corporate, die or be prevented by illness or any other circumstances beyond his control from performing the obligations implied by the Contract, the Contract shall be terminated without prejudice to the accrued rights of either Party against the other.

8.5 Suspension

8.5.1 The Employer may temporarily suspend all or part of the Services by notice to the Service Provider who shall immediately make arrangements to stop the performance of the Services and minimise further expenditure.

8.5.2 When Services are suspended, the Service Provider shall be entitled to pro-rata payment for the Services carried out and reimbursement of all reasonable cost incident to the prompt and orderly suspension of the Contract.

8.6 Rights and liabilities of the Parties

Completion, suspension or termination of the Contract shall not prejudice or affect the accrued rights or liabilities of the Parties.

9. OWNERSHIP OF DOCUMENTS AND COPYRIGHT

9.1 Copyright of all documents prepared by the Service Provider in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in the party named in the Contract Data. Where copyright is vested in the Service Provider, the Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain the Service Provider's permission to copy for such use. Where copyright is vested in the Employer, the Service Provider shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes.

9.2 The ownership of data and factual information collected by the Service Provider and paid for by the Employer shall, after payment by the Employer, lie with the Employer.

9.3 The Employer shall have no right to use any documents prepared by the Service Provider whilst the payment of any fees and expenses due to the Service Provider in terms of the Contract is overdue.

10. SUCCESSION AND ASSIGNMENT

10.1 Except as defined in Clause 8.4.4 above, each Party binds itself and its partners, successors, executors, administrators, assigns and legal representatives to the other Party and to the other partners, successors, executors, administrators, assigns and legal representatives of the other Party in respect of all obligations and liabilities of the Contract.

10.2 An assignment shall be valid only if it is a written agreement by which the Service Provider transfers his rights and obligations under the Contract, or part thereof, to others.

10.3 The Service Provider shall not, without the prior written consent of the Employer, assign the Contract or any part thereof, or any benefit or interest thereunder, except in the following cases:

- a) by a charge in favour of the Service Provider's bankers of any monies due or to become due under the Contract;
- b) by assignment to the Service Provider's insurers of the Service Provider's right to obtain relief against any other person liable in cases where the insurers have discharged the Service Provider's loss or liability.

10.4 The approval of an assignment by the Employer shall not relieve the Service Provider of his obligations for the part of the Contract already performed or the part not assigned.

10.5 If the Service Provider has assigned his Contract or part thereof without authorization, the Employer may forthwith terminate the Contract and the third party will have no claim against the Employer resulting from such termination.

11. SUBCONTRACTING

11.1 A Service Provider may not subcontract any work which he has the skill and competency to perform, unless otherwise permitted in the Contract Data.

11.2 A subcontract, where permitted in terms of the Contract Data, shall be valid only if it is a written agreement by which the Service Provider entrusts performance of a part of the Services to Others.

11.3 The Service Provider shall not subcontract to nor engage a Subcontractor to perform any part of the Services without the prior written authorization of the Employer. The services to be sub-contracted and the identity of the Subcontractor shall be notified to the Employer. The Employer shall, within 14 Days of receipt of the notification and a full motivation why such services are to be subcontracted, notify the Service Provider of his decision, stating reasons, should he withhold such authorization. If the Service Provider enters into a subcontract with a Subcontractor without prior approval, the Employer may forthwith terminate the Contract.

11.4 The Employer shall have no contractual relationships with Subcontractors. However, if a Subcontractor is found by the Employer to be incompetent, the Employer may request the Service Provider either to provide a Subcontractor with qualifications and experience acceptable to the Employer as a replacement, or to resume the performance of the relevant part of the Services himself.

11.5 The Service Provider shall advise the Employer without delay of the variation or termination of any

subcontract for performance of all or part of the Services.

11.6 The Service Provider shall be responsible for the acts, defaults and negligence of Subcontractors and their agents or employees in the performance of the Services, as if they were the acts, defaults or negligence of the Service Provider, his agents or employees. Approval by the Employer of the subcontracting of any part of the Contract or of the engagement by the Service Provider of Subcontractors to perform any part of the Services shall not relieve the Service Provider of any of his obligations under the Contract.

12. RESOLUTION OF DISPUTES

12.1 Settlement

12.1.1 The Parties shall negotiate in good faith with a view to settling any dispute or claim arising out of or relating to the Contract and may not initiate any further proceedings until either Party has, by written notice to the other, declared that such negotiations have failed.

12.1.2 Any dispute or claim arising out of or relating to the Contract which cannot be settled between the Parties shall in the first instance be referred by the Parties to either mediation or adjudication as provided for in the Contract Data.

12.2 Mediation

12.2.1 If the Contract Data does not provide for dispute resolution by adjudication, not earlier than 14 Days after having advised the other Party, in terms of Clause 12.1, that negotiations in regard to a dispute have failed, an aggrieved Party may require that the dispute be referred, without legal representation, to mediation by a single mediator. The mediator shall be selected by agreement between the Parties, or, failing such agreement, by the person named for this purpose in the Contract Data. The costs of the mediation shall be borne equally by the Parties.

12.2.2 The mediator shall convene a hearing of the Parties and may hold separate discussions with any Party and shall assist the Parties in reaching a mutually acceptable settlement of their differences through means of reconciliation, interpretation, clarification, suggestion and advice. The Parties shall record such agreement in writing and thereafter they shall be bound by such agreement.

12.2.3 The mediator is authorised to end the mediation process whenever in his opinion further efforts at mediation would not contribute to a resolution of the dispute between the Parties.

12.2.4 If either Party is dissatisfied with the opinion expressed by the mediator or should the mediation fail, then such Party may require that the dispute be referred to arbitration or litigation in a competent civil court, as provided for in the Contract Data.

12.3 Adjudication

12.3.1 If the Contract Data does not provide for dispute resolution by mediation, an aggrieved Party may refer the dispute to adjudication. Adjudication shall be in accordance with the latest edition of the separately published CIDB Adjudication Procedures.

12.3.2 The adjudicator shall be appointed in terms of the Adjudicator's Agreement bound in the Construction Industry Development Board's Adjudication Procedure.

12.3.3 The Adjudicator shall be any person agreed to by the parties or, failing such agreement, shall be nominated by the person named in the Contract Data. The Adjudicator shall be appointed in accordance with the Adjudicator's Agreement contained in the CIDB Adjudication Procedure.

12.3.4 If a Party is dissatisfied with the decision of the Adjudicator, the Party may give the other Party notice of dissatisfaction within 28 Days of the receipt of that decision and refer the dispute to arbitration or litigation in a competent civil court as provided for in the Contract Data. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties.

12.4 Arbitration

12.4.1 Arbitration, where provided for in the Contract Data, shall be by a single arbitrator in accordance with the provisions of the Arbitration Act of 1965 as amended and shall be conducted in accordance with such procedure as may be agreed between the Parties or, failing such agreement, in accordance with the Rules for the Conduct of Arbitrations published by the Association or Arbitrators current at the date the arbitrator is appointed.

12.4.2 The arbitrator shall be mutually agreed upon or, failing agreement, to be nominated by the person named in the Contract Data.

13. LIABILITY

13.1 Liability of the Service Provider

13.1.1 The Service Provider shall be liable to the Employer arising out of or in connection with the Contract if a breach of Clause 5.1 is established against him.

13.1.2 The Service Provider shall correct a Defect on becoming aware of it. If the Service Provider does not correct a Defect within a reasonable time stated in a notification and the Defect arose from a failure of the Service Provider to comply with his obligation to provide the Services, the Service Provider shall pay to the Employer the amount which the latter assesses as being the cost of having such Defect corrected by Others.

13.1.3 All persons in a joint venture or consortium shall be jointly and severally liable to the Employer in terms of this Contract and shall carry individually the minimum levels of insurance stated in the Contract Data, if any.

13.2 Liability of the Employer

The Employer shall be liable to the Service Provider arising out of or in connection with the Contract if a breach of an obligation of his in terms of the Contract is established. The Service Provider shall have no separate delictual right of action against the Employer.

13.3 Compensation

If it is established that either Party is liable to the other, compensation shall be payable only on the following terms:

- a)** Compensation shall be limited to the amount of reasonably foreseeable loss and damage suffered as a result of the breach.
- b)** In any event, the amount of compensation will be limited to the amount specified in Clause 13.5.

13.4 Duration of Liability

Notwithstanding the terms of the Prescription Act No. 68 of 1969 (as amended) or any other applicable statute of limitation neither the Employer nor the Service Provider shall be held liable for any loss or damage resulting from any occurrence unless a claim is formally made within the period stated in the Contract Data or, where no such period is stated, within a period of three years from the date of termination or completion of the Contract.

13.5 Limit of Compensation

13.5.1 Unless otherwise indicated in the Contract Data, the maximum amount of compensation payable by either Party to the other in respect of liability under the Contract is limited to:

- a)** the sum insured in terms of 5.4 in respect of insurable events;
- b)** the sum stated in the Contract Data or, where no such amount is stated, to an amount equal to twice the amount of fees payable to the Service Provider under the Contract, excluding reimbursement and expenses for items other than salaries of Personnel, in respect of non-insurable events.

13.5.2 Each Party agrees to waive all claims against the other insofar as the aggregate of compensation which might otherwise be payable exceeds the aforesaid maximum amount payable.

13.5.3 If either Party makes a claim for compensation against the other Party and this is not established, the claimant shall reimburse the other for his reasonable costs incurred as a result of the claim or if proceedings are initiated in terms of Clause 12 for such costs as may be awarded.

13.6 Indemnity by the Employer

Unless otherwise indicated in the Contract Data, the Employer shall indemnify the Service Provider against all claims by third parties which arise out of or in connection with the performance of the Services save to the extent that such claims do not in the aggregate exceed the limit of compensation in Clause 13.5, if applicable, or are covered by the insurances arranged under the terms of Clause 5.4.

13.7 Exceptions

13.7.1 Clauses 13.5 and 13.6 shall not apply to claims arising from deliberate misconduct.

13.7.2 The Service Provider shall have no liability whatsoever for actions, claims, losses or damages occasioned by:

- a) the Employer omitting to act on any recommendation, or overriding any act, decision or recommendation, of the Service Provider, or requiring the Service Provider to implement a decision or recommendation with which the Service Provider disagrees or on which he expresses a serious reservation;
- b) the improper execution of the Service Provider's instructions by agents, employees or independent contractors of the Employer.

14. REMUNERATION AND REIMBURSEMENT OF SERVICE PROVIDER

The Employer shall remunerate and reimburse the Service Provider for the performance of the Services as set out in the Pricing Data. If not otherwise stated in the Pricing Data, the following shall apply:

14.1 The Service Provider shall be entitled to render interim monthly accounts for fees and reimbursements throughout the duration of the Contract. Interim amounts of lump sum fees due shall be based on progress.

14.2 Amounts due to the Service Provider shall be paid by the Employer within thirty (30) Days of receipt by him of the relevant invoices. If the Service Provider does not receive payment by the due date, he shall be entitled to charge interest on the unpaid amount, which is payable by the Employer, at the prime interest rate charged by his bank and certified by such bank, plus 2% per annum, and calculated from the due date of payment.

14.3 If any item or part of an item in an invoice submitted by the Service Provider is disputed by the Employer, the latter shall, before the due date of payment, give notice thereof with reasons to the Service Provider, but shall not delay payment of the balance of the invoice. Clause 14.2 shall apply to disputed amounts which are finally determined to be payable to the Service Provider.

14.4 In respect of Services charged for on a time-basis and all other reimbursable expenses the Service Provider shall maintain records in support of such charges and expenses for a period of twenty four months after the completion or termination of the Contract. Within this period the Employer may, on not less than 14 Days' notice, require that a reputable and independent firm of accountants, nominated by him at his expense, audit any claims made by the Service Provider for time charges and expenses by attending during normal working hours at the office where the records are maintained.

15 AMOUNTS DUE TO THE EMPLOYER

Amounts due to the Employer shall be paid by the Service Provider within thirty (30) Days of receipt by him of the relevant invoices. If the Employer does not receive payment by the due date, he shall be entitled to charge interest on the unpaid amount, which is payable by the Service Provider, at the rate stated in the Contract Data, calculated from the due date for payment.

C2: PRICING DATA

C2.1: PRICING INSTRUCTIONS

- 1) The Pricing Schedule includes estimated quantities for the various tasks involved in this project.
- 2) For the purposes of the Pricing Schedule, the following words shall have the meanings hereby assigned to them.

Unit:	The unit of measurement for each item of work as defined in the project specifications.
Quantity:	The number of units of work for each item.
Rate:	The payment required per unit of work executed.
Amount:	The product of the quantity and the tendered rate.
Sum:	An amount tendered for an item, the extent of which is described in the Pricing Schedule, the specifications or elsewhere, but of which the quantity of work is not measured in units.
Provisional Sum:	An amount allowed for an item, the exact extent of which is currently unknown. Such amounts are under the sole discretion of the Employer, and can only be expended following a specific instruction from the Employer.
Category A, B, C and D Staff:	Refer to the ECSA guidelines for the categorization of engineering staff and the DPSA guidelines for maximum limits.
- 3) This Pricing Schedule forms an integral part of the contract documents and must be read in conjunction with all other documents comprising the contract – particularly the pay item descriptions included herein under C3.2.
- 4) The quantities, sums, disbursement amounts and provisional sums set out in the Pricing Schedule are anticipated values only. The quantities/values of work finally accepted and certified for payment, and not the quantities/values given in the Pricing Schedule, will be used to determine payment. A reduction or increase in the quantities shall not be grounds for any adjustment to tendered rates. The **only** exception being where quantities increase and have an effect on **time** based items which may be adjusted at the employers discretion subject to the service providers submission in terms of clause 3.9 of the Conditions of Contract
- 5) The validity of the contract or the tendered prices shall in no way be affected by differences between the quantities/values in the Pricing Schedule and the quantities/values finally certified for payment.
- 6) The rates tendered shall include full compensation for support staff (typists, filing etc.), overheads, disbursements (unless stated otherwise) profits, incidentals, tax (other than VAT). etc.
- 7) Tenderers shall not enter "included" against any item. Nor shall items be grouped together and a single amount entered nor shall items not be priced. Should the tenderer wish not to charge for a particular pay item, it is **not to be left blank** and a ZERO (0) is to be inserted in the rate and amount column. If a tenderer wishes to make any alteration to the Pricing Schedule, then it should be treated as an alternative bid in terms of the Tender Data
- 8) The tendered rates shall be valid irrespective of any change in the quantities no matter whether positive or negative during the execution of the contract.
- 9) The values of work or provisional sums stated in the Pricing Schedule shall not be considered as restricting or extending the amount of work to be done or value of services to be supplied by the service provider.
- 10) The value of work or provisional sums in the Pricing Schedule shall not be regarded as authorisation for the service provider to engage sub-consultants or to execute work. The service provider shall obtain the Employer's approval prior to executing work or making arrangements in

this regard.

- 11) The short descriptions of the payment items in the Pricing Schedule are only given to identify the items and to provide specific details. Refer to C3.2 for detailed description of the pay items
- 12) The rates entered by the tenderer to the Pricing Schedule shall be final and binding, and may not be adjusted should there be any mistakes in the extensions thereof and in the total sums appearing in the tender. Should there be any discrepancies between the tender sum and the correctly extended and totalled Pricing Schedule; the rates will be regarded as being correct.
- 13) The Employer shall have the right to make adjustments to the tender sum to reconcile the sum with the total of the Pricing Schedule. The Employer shall liaise with the service provider in making adjustments to the tender sum but, failing agreement between the parties, the decision of the Employer shall be final and binding. Adjustment of the tender sum will take place prior to the signing of the contract. In their own interest tenderers must make doubly sure of the correctness of their tendered rates, the extensions and the tender sum.
- 14) A bid may be rejected if the rates or disbursement rates for any of the items in the Pricing Schedule are, in the opinion of the Employer, unreasonable or out of proportion. The tenderer will be given a period of seven (7) days after having been notified in writing by the Employer to adjust the rates for the relevant items.
- 15) All rates and sums of money quoted in the Pricing Schedule shall be in South African Rand and whole cents. Fractions of a cent shall be discarded.
- 16) The item numbers appearing in the Pricing Schedule refer to the corresponding item numbers in section C3.2
- 17) **The pricing schedules for ALL (3) years are to be priced. Failure to do so will result in the tender being deemed non-responsive**
- 18) The tenderer should be in possession of all the necessary ICT capacity required to support this project and no procurement costs of software and/or hardware will be entertained and should be included within the rates tendered.

C2.2 a) PRICING SCHEDULE – YEAR 1 (1st Cycle)

PRICING SCHEDULE OF RATES			YEAR 1		
Nº	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1000	RAMS SYSTEM IMPLEMENTATION				
10.01	New RAMS System Installation	Sum	-	-	-
10.02	Existing System Familiarisation	Person Hr.	100		
10.03	Existing System Upgrade	Sum	1		
2000	NETWORK INVENTORY				
20.01	Create Road Network Information Module (RNIM)	Sum	-	-	-
20.02	Update RNIM	Sum	1		
20.03	Create Bridge Inventory (BMS)	Sum	-	-	-
20.04	Update Bridge Inventory (BMS)	Sum	1		
20.05	Create Borrow Pit Inventory (BPMS)	Sum	-	-	-
20.06	Update Borrow Pit Inventory	Sum	-	-	-
20.07	Update Ancillary assets Inventory	Sum	-	-	-
3000	FIELD DATA ACQUISITION				
30.01	Establishment				
30.01 a)	Traffic Speed Deflectometer Device (TSDD)	Sum	-	-	-
30.01 b)	Falling Weight Deflectometer (FWD)	Sum	-	-	-
30.01 c)	Digital Laser Profiler - Class 1 (Min. 15 lasers)	Sum	-	-	-
30.01 d)	Digital Laser Profiler - Class 1 (Min. 3 lasers)	Sum	-	-	-
30.01 e)	Response Type Road Roughness Meter - Class 3	Sum	-	-	-
30.01 f)	Surface Friction Tester (automatic)	Sum	-	-	-
30.01 g)	Portable Friction Tester (manual)	Sum	-	-	-
30.01 h)	ARRB G3 Walking Profiler or equivalent	Sum	-	-	-
30.01 i)	Visual Assessment Personnel – Paved Roads	Sum	1.00		
30.01 j)	Visual Assessment Personnel –Unpaved Roads	Sum	1.00		
30.01 k)	Visual assessment of Ancillary assets	Sum	-	-	-
30.02	Traffic Control				
30.02 a)	Falling Weight Deflectometer	Sum	-	-	-
30.02 b)	Surface Profiling and Road Roughness Meter	Sum	-	-	-
30.02 c)	Friction Measurement	Sum	-	-	-
30.02 d)	Bridge / Major Culvert Inspections	Sum	-	-	-
30.02 e)	Traffic Counting	Sum	-	-	-
30.02 f)	Road Safety Assessments (IRAP or Similar)	Sum	1		
30.02 g)	Visual Condition Assessments	Sum	1		
30.02 h)	Ancillary assets Condition	Sum	-	-	-

30.03	Data Collection – Road Network				
30.03 a)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-
30.03 b)	Automated Crack Detection	Lane.km	-	-	-
30.03 c)	Geometry	Lane.km	-	-	-
30.03 d)	Falling Weight Deflectometer (FWD)	Point	-	-	-
30.03 e)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
30.03 f)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-
30.03 g)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
30.03 h)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
30.03 i)	Wheelpath Rutting	Lane.km	-	-	-
30.03 j)	Transverse Profile Rutting	Lane.km	-	-	-
30.03 k)	Macro Texture	Lane.km	-	-	-
30.03 l)	Surface Friction Testing (automatic)	Lane.km	-	-	-
30.03 m)	Surface Friction Testing (portable)	Point	-	-	-
30.03 n)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
30.03 o)	Walking Profiler	Lane.km	-	-	-
30.03 p)	Road Safety Assessments (IRAP or Similar)	Lane.km	200.00		
30.03 q)	Accident Statistics	Per Report	4.00		
30.03 r)	Visual Condition Assessments, paved and unpaved	C'way.km	1 154.00		
30.04	Data Collection – Structures				
30.04 a)	Bridge Structures	Number	-	-	-
30.04 b)	Major Culvert Structures	Number	-	-	-
30.04 c)	Ancillary assets Condition	Number	-	-	-
30.05	Data Collection – Traffic				
30.05 a)	Traffic Counts Automated	Day	-	-	-
30.05 b)	Traffic Counts Manual	Person Hr.	-	-	-
30.05 c)	Weight in Motion (WIM)	Prov.Sum	-	-	-
30.06	Data Collection - Borrow Pit Management System Appointment and field testing management of materials laboratory	Prov. Sum	-	-	-
4000	DATA ANALYSIS / VERIFICATION				
40.01	Road Network				
40.01 a)	Visual Condition	C'way.km	1 154.00		
40.01 b)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-
40.01 c)	Automated Crack Detection	Lane.km	-	-	-
40.01 d)	Geometry	Lane.km	-	-	-
40.01 e)	Falling Weight Deflectometer (FWD)	Point	-	-	-

40.01 f)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
40.01 g)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-
40.01 h)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
40.01 i)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
40.01 j)	Wheelpath Rutting	Lane.km	-	-	-
40.01 k)	Transverse Profile Rutting	Lane.km	-	-	-
40.01 l)	Macro Texture	Lane.km	-	-	-
40.01 m)	Surface Friction Testing (automatic)	Lane.km	-	-	-
40.01 n)	Surface Friction Testing (portable)	Point	-	-	-
40.01 o)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
40.01 p)	Walking Profiler	Lane.km	-	-	-
40.01 q)	Road Safety Assessments (IRAP or Similar)	Lane.km	200.00		
40.01 r)	Accident Data	Per Report	4.00		
40.01 s)	10 Quality Control on visual condition data	Sum	1		
40.02	Structures				
40.02 a)	Bridge Structures	Number	-	-	-
40.02 b)	Major Culvert Structures	Number	-	-	-
40.02 c)	Ancillary assets	Number	-	-	-
40.03	Traffic	Sum	-	-	-
40.04	Borrow Pit Management System laboratory results	Prov. Sum	1	50 000.00	50 000.00
5000	REPORTING				
50.01	Road Network				
50.01 a)	Flexible Surfaced Road Network	Sum	1		
50.01 b)	Unsurfaced Road Network	Sum	1		
50.01 c)	Rigid (Concrete) Road Network	Sum	1		
50.01 d)	Semi- Rigid (Block Paved) Road Network	Sum	1		
50.01 e)	Safety Assessment	Sum	1		
50.01 f)	Traffic Accidents	Sum	1		
50.02	Structures (Bridges and Major Culverts Ancillary Assets)	Sum	-	-	-
50.03	Traffic	Sum	-	-	-
50.04	Borrow Pit Management	Sum	1		
50.05	RAMS Asset Register / RAMP	Sum	1		
6000	ADDITIONAL SERVICES				
60.01	Attend Meetings	Number	16		
60.02 a)	Ad-hoc Support : Category A Staff	Hour	12		

60.02 b)	Ad-hoc Support : Category B Staff	Hour	12		
60.02 c)	Ad-hoc Support : Category C Staff	Hour	12		
60.02 d)	Ad-hoc Support : Category D Staff	Hour	12		
60.03	Strategic Support	Prov. Sum	1	70 000.00	70 000.00
60.04	Training /Skills Transfer	Prov. Sum	1	100 000.00	100 000.00
7000	DISBURSEMENTS				
70.01	Travel	Km	3000		
70.02	Accommodation	Person.night	100		
Total Carried Forward To Summary Page item C2.2 a)					

C2.2 b) PRICING SCHEDULE – YEAR 2
(2nd Cycle)

PRICING SCHEDULE OF RATES			YEAR 2		
Nº	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1000	RAMS SYSTEM IMPLEMENTATION				
10.01	New RAMS System Installation	Sum	-	-	-
10.02	Existing System Familiarisation	Person Hr.	-	-	-
10.03	Existing System Upgrade	Sum	1		
2000	NETWORK INVENTORY				
20.01	Create Road Network Information Module (RNIM)	Sum	-	-	-
20.02	Update RNIM	Sum	1		
20.03	Create Bridge Inventory (BMS)	Sum	-	-	-
20.04	Update Bridge Inventory (BMS)	Sum	-	-	-
20.05	Create Borrow Pit Inventory (BPMS)	Sum	-	-	-
20.06	Update Borrow Pit Inventory	Sum	1		
20.07	Update Ancillary assets Inventory	Sum	1		
3000	FIELD DATA ACQUISITION				
30.01	Establishment				
30.01 a)	Traffic Speed Deflectometer Device (TSDD)	Sum	-	-	-
30.01 b)	Falling Weight Deflectometer (FWD)	Sum	-	-	-
30.01 c)	Digital Laser Profiler - Class 1 (Min. 15 lasers)	Sum	-	-	-
30.01 d)	Digital Laser Profiler - Class 1 (Min. 3 lasers)	Sum	-	-	-
30.01 e)	Response Type Road Roughness Meter - Class 3	Sum	-	-	-
30.01 f)	Surface Friction Tester (automatic)	Sum	-	-	-
30.01 g)	Portable Friction Tester (manual)	Sum	-	-	-
30.01 h)	ARRB G3 Walking Profiler or equivalent	Sum	-	-	-
30.01 i)	Visual Assessment Personnel – Paved Roads	Sum	1.00		
30.01 j)	Visual Assessment Personnel –Unpaved Roads	Sum	1.00		
30.01 k)	Visual assessment of Ancillary assets	Sum	1.00		
30.02	Traffic Control				
30.02 a)	Falling Weight Deflectometer	Sum	-	-	-
30.02 b)	Surface Profiling and Road Roughness Meter	Sum	-	-	-
30.02 c)	Friction Measurement	Sum	-	-	-
30.02 d)	Bridge / Major Culvert Inspections	Sum	1		
30.02 e)	Traffic Counting	Sum	-	-	-
30.02 f)	Road Safety Assessments (IRAP or Similar)	Sum	1		
30.02 g)	Visual Condition Assessments	Sum	1		

30.02 h)	Ancillary assets Condition	Sum	1		
30.03	Data Collection – Road Network				
30.03 a)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-
30.03 b)	Automated Crack Detection	Lane.km	-	-	-
30.03 c)	Geometry	Lane.km	-	-	-
30.03 d)	Falling Weight Deflectometer (FWD)	Point	-	-	-
30.03 e)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
30.03 f)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-
30.03 g)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
30.03 h)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
30.03 i)	Wheelpath Rutting	Lane.km	-	-	-
30.03 j)	Transverse Profile Rutting	Lane.km	-	-	-
30.03 k)	Macro Texture	Lane.km	-	-	-
30.03 l)	Surface Friction Testing (automatic)	Lane.km	-	-	-
30.03 m)	Surface Friction Testing (portable)	Point	-	-	-
30.03 n)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
30.03 o)	Walking Profiler	Lane.km	-	-	-
30.03 p)	Road Safety Assessments (IRAP or Similar)	Lane.km	200.00		
30.03 q)	Accident Statistics	Per Report	4.00		
30.03 r)	Visual Condition Assessments, paved and unpaved	C'way.km	295.5		
30.04	Data Collection – Structures				
30.04 a)	Bridge Structures	Number	3		
30.04 b)	Major Culvert Structures	Number	18		
30.04 c)	Ancillary assets Condition	Number	16071		
30.05	Data Collection – Traffic				
30.05 a)	Traffic Counts Automated	Day	-	-	-
30.05 b)	Traffic Counts Manual	Person Hr.	600		
30.05 c)	Weight in Motion (WIM)	Prov.Sum	-	-	-
30.06	Data Collection - Borrow Pit Management System Appointment and field testing management of materials laboratory	Prov. Sum	-	-	-
4000	DATA ANALYSIS / VERIFICATION				
40.01	Road Network				
40.01 a)	Visual Condition	C'way.km	295.5		
40.01 b)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-

40.01 c)	Automated Crack Detection	Lane.km	-	-	-
40.01 d)	Geometry	Lane.km	-	-	-
40.01 e)	Falling Weight Deflectometer (FWD)	Point	-	-	-
40.01 f)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
40.01 g)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-
40.01 h)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
40.01 i)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
40.01 j)	Wheelpath Rutting	Lane.km	-	-	-
40.01 k)	Transverse Profile Rutting	Lane.km	-	-	-
40.01 l)	Macro Texture	Lane.km	-	-	-
40.01 m)	Surface Friction Testing (automatic)	Lane.km	-	-	-
40.01 n)	Surface Friction Testing (portable)	Point	-	-	-
40.01 o)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
40.01 p)	Walking Profiler	Lane.km	-	-	-
40.01 q)	Road Safety Assessments (IRAP or Similar)	Lane.km	200.00		
40.01 r)	Accident Data	Per Report	4.00		
40.01 s)	10 Quality Control on visual condition data	Sum	1		
40.02	Structures				
40.02 a)	Bridge Structures	Number	3		-
40.02 b)	Major Culvert Structures	Number	18		-
40.02 c)	Ancillary assets	Number	16071		-
40.03	Traffic	Sum	1		-
40.04	Borrow Pit Management System laboratory results	Prov. Sum	1	50 000.00	50 000.00
5000	REPORTING				
50.01	Road Network				
50.01 a)	Flexible Surfaced Road Network	Sum	1		
50.01 b)	Unsurfaced Road Network	Sum	1		
50.01 c)	Rigid (Concrete) Road Network	Sum	1		
50.01 d)	Semi- Rigid (Block Paved) Road Network	Sum	1		
50.01 e)	Safety Assessment	Sum	1		
50.01 f)	Traffic Accidents	Sum	1		
50.02	Structures (Bridges and Major Culverts Ancillary Assets)	Sum	1		
50.03	Traffic	Sum	1		
50.04	Borrow Pit Management	Sum	1		
50.05	RAMS Asset Register / RAMP	Sum	1		

6000	ADDITIONAL SERVICES				
60.01	Attend Meetings	Number	16		
60.02 a)	Ad-hoc Support : Category A Staff	Hour	12		
60.02 b)	Ad-hoc Support : Category B Staff	Hour	12		
60.02 c)	Ad-hoc Support : Category C Staff	Hour	12		
60.02 d)	Ad-hoc Support : Category D Staff	Hour	12		
60.03	Strategic Support	Prov. Sum	1	70 000.00	70 000.00
60.04	Training /Skills Transfer	Prov. Sum	1	110 000.00	110 000.00
7000	DISBURSEMENTS				
70.01	Travel	Km	6000		
70.02	Accommodation	Person.night	200		
Total Carried Forward To Summary Page item C2.2 b)					

C2.2 c) PRICING SCHEDULE – YEAR 3**(3rd Cycle)**

PRICING SCHEDULE OF RATES			YEAR 3		
Nº	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1000	RAMS SYSTEM IMPLEMENTATION				
10.01	New RAMS System Installation	Sum	-	-	-
10.02	Existing System Familiarisation	Person Hr.	-	-	-
10.03	Existing System Upgrade	Sum	1		
2000	NETWORK INVENTORY				
20.01	Create Road Network Information Module (RNIM)	Sum	-	-	-
20.02	Update RNIM	Sum	1		
20.03	Create Bridge Inventory (BMS)	Sum	-	-	-
20.04	Update Bridge Inventory (BMS)	Sum	-	-	-
20.05	Create Borrow Pit Inventory (BPMS)	Sum	-	-	-
20.06	Update Borrow Pit Inventory	Sum	-	-	-
20.07	Update Ancillary assets Inventory	Sum	1		
3000	FIELD DATA ACQUISITION				
30.01	Establishment				
30.01 a)	Traffic Speed Deflectometer Device (TSDD)	Sum	-	-	-
30.01 b)	Falling Weight Deflectometer (FWD)	Sum	-	-	-
30.01 c)	Digital Laser Profiler - Class 1 (Min. 15 lasers)	Sum	-	-	-
30.01 d)	Digital Laser Profiler - Class 1 (Min. 3 lasers)	Sum	-	-	-
30.01 e)	Response Type Road Roughness Meter - Class 3	Sum	-	-	-
30.01 f)	Surface Friction Tester (automatic)	Sum	-	-	-
30.01 g)	Portable Friction Tester (manual)	Sum	-	-	-
30.01 h)	ARRB G3 Walking Profiler or equivalent	Sum	-	-	-
30.01 i)	Visual Assessment Personnel – Paved Roads	Sum	-	-	-
30.01 j)	Visual Assessment Personnel –Unpaved Roads	Sum	-	-	-
30.01 k)	Visual assessment of Ancillary assets	Sum	1		-
30.02	Traffic Control				
30.02 a)	Falling Weight Deflectometer	Sum	-	-	-
30.02 b)	Surface Profiling and Road Roughness Meter	Sum	-	-	-
30.02 c)	Friction Measurement	Sum	-	-	-
30.02 d)	Bridge / Major Culvert Inspections	Sum	-	-	-
30.02 e)	Traffic Counting	Sum	-	-	-
30.02 f)	Road Safety Assessments (IRAP or Similar)	Sum	1		
30.02 g)	Visual Condition Assessments	Sum	1		
30.02 h)	Ancillary assets Condition	Sum	1		
30.03	Data Collection – Road Network				

30.03 a)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-
30.03 b)	Automated Crack Detection	Lane.km	-	-	-
30.03 c)	Geometry	Lane.km	-	-	-
30.03 d)	Falling Weight Deflectometer (FWD)	Point	-	-	-
30.03 e)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
30.03 f)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-
30.03 g)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
30.03 h)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
30.03 i)	Wheelpath Rutting	Lane.km	-	-	-
30.03 j)	Transverse Profile Rutting	Lane.km	-	-	-
30.03 k)	Macro Texture	Lane.km	-	-	-
30.03 l)	Surface Friction Testing (automatic)	Lane.km	-	-	-
30.03 m)	Surface Friction Testing (portable)	Point	-	-	-
30.03 n)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
30.03 o)	Walking Profiler	Lane.km	-	-	-
30.03 p)	Road Safety Assessments (IRAP or Similar)	Lane.km	-	-	-
30.03 q)	Accident Statistics	Per Report	-	-	-
30.03 r)	Visual Condition Assessments, paved and unpaved	C'way.km	295.5		
30.04	Data Collection – Structures				
30.04 a)	Bridge Structures	Number	-	-	-
30.04 b)	Major Culvert Structures	Number	-	-	-
30.04 c)	Ancillary assets Condition	Number	11394		
30.05	Data Collection – Traffic				
30.05 a)	Traffic Counts Automated	Day	-	-	-
30.05 b)	Traffic Counts Manual	Person Hr.	612		
30.05 c)	Weight in Motion (WIM)	Prov.Sum	-	-	-
30.06	Data Collection - Borrow Pit Management System Appointment and field testing management of materials laboratory	Prov. Sum	-	-	-
4000	DATA ANALYSIS / VERIFICATION				
40.01	Road Network				
40.01 a)	Visual Condition	C'way.km	295.5		
40.01 b)	Traffic Speed Deflectometer Device (TSDD)	Lane.km	-	-	-
40.01 c)	Automated Crack Detection	Lane.km	-	-	-
40.01 d)	Geometry	Lane.km	-	-	-
40.01 e)	Falling Weight Deflectometer (FWD)	Point	-	-	-
40.01 f)	Continuous Digital Imaging (Standard)	Lane.km	-	-	-
40.01 g)	Continuous Digital Imaging (Quantitative)	Lane.km	-	-	-

40.01 h)	IRI (International Roughness Index) – Class 1	Lane.km	-	-	-
40.01 i)	IRI (International Roughness Index) – Class 3	Lane.km	-	-	-
40.01 j)	Wheelpath Rutting	Lane.km	-	-	-
40.01 k)	Transverse Profile Rutting	Lane.km	-	-	-
40.01 l)	Macro Texture	Lane.km	-	-	-
40.01 m)	Surface Friction Testing (automatic)	Lane.km	-	-	-
40.01 n)	Surface Friction Testing (portable)	Point	-	-	-
40.01 o)	Response Type Roughness Meter - Class 3	Lane.km	-	-	-
40.01 p)	Walking Profiler	Lane.km	-	-	-
40.01 q)	Road Safety Assessments (IRAP or Similar)	Lane.km	-	-	-
40.01 r)	Accident Data	Per Report	-	-	-
40.01 s)	10 Quality Control on visual condition data	Sum	1		
40.02	Structures				
40.02 a)	Bridge Structures	Number	-	-	-
40.02 b)	Major Culvert Structures	Number	-	-	-
40.02 c)	Ancillary assets	Number	11394		
40.03	Traffic	Sum	1		
40.04	Borrow Pit Management System laboratory results	Prov. Sum	1	50 000.00	50 000.00
5000	REPORTING				
50.01	Road Network				
50.01 a)	Flexible Surfaced Road Network	Sum	1		
50.01 b)	Unsurfaced Road Network	Sum	1		
50.01 c)	Rigid (Concrete) Road Network	Sum	1		
50.01 d)	Semi- Rigid (Block Paved) Road Network	Sum	1		
50.01 e)	Safety Assessment	Sum	-	-	-
50.01 f)	Traffic Accidents	Sum	-	-	-
50.02	Structures (Bridges and Major Culverts Ancillary Assets)	Sum	-	-	-
50.03	Traffic	Sum	1		
50.04	Borrow Pit Management	Sum	1		
50.05	RAMS Asset Register / RAMP	Sum	1		
6000	ADDITIONAL SERVICES				
60.01	Attend Meetings	Number	16		
60.02 a)	Ad-hoc Support : Category A Staff	Hour	12		
60.02 b)	Ad-hoc Support : Category B Staff	Hour	12		
60.02 c)	Ad-hoc Support : Category C Staff	Hour	12		
60.02 d)	Ad-hoc Support : Category D Staff	Hour	12		

60.03	Strategic Support	Prov. Sum	1	70 000.00	70 000.00
60.04	Training /Skills Transfer	Prov. Sum	1	120 000.00	120 000.00
7000	DISBURSEMENTS				
70.01	Travel	Km	4000		
70.02	Accommodation	Person.night	140		
Total Carried Forward To Summary Page item C2.2 c)					

BID No: BID002/2026-27

**FOR: PROFESSIONAL SERVICES FOR THE MANAGEMENT OF THE FEZILE DABI
DISTRICT MUNICIPALITY ROAD ASSET MANAGEMENT SYSTEM INCLUDING
OPERATIONAL REQUIREMENTS FOR A PERIOD OF MAXIMUM 36 MONTHS**

TENDER SUMMARY

DESCRIPTION	AMOUNT
Totals of Pricing Schedule of Rates:	
Schedule C2.2 a): Year 1	R
Schedule C2,2 b): Year 2	R
Schedule C2.2 c): Year 3	R
SUBTOTAL 1	R
Add: Contingencies	R 300 000.00
SUBTOTAL 2	R
Add: VAT (15% of SUBTOTAL 2)	R
TOTAL CARRIED FORWARD TO FORM OF OFFER (C1.1)	R

Signed on behalf of the Tenderer: (Signature)

Date:

Tenderer's Name: (Company Name)

DISCLAIMER

Kindly note that the responsibility lies with Tenderer to check the tender document and the tender addenda (if issued) to verify that all the information is correct and all changes have been incorporated as no claims will be entertained in this regard afterwards.

C3: SCOPE OF WORKS

C3.1: PROJECT DESCRIPTION

C3.2: PROJECT SPECIFICATIONS

C3.1: PROJECT DESCRIPTION

Note The following is an overview of the project and should be read in conjunction with the detailed project specifications (C3.2).

C3.1.1 Introduction

The Employer, namely Fezile Dabi District Municipality requires the services of an appropriately experienced service provider to undertake the maintenance management of its Road Asset Management System (RAMS) and manage the operational requirements and procedures in terms of DORA and the NDoT RAMS Practice Note, for a period of maximum thirty six (36) months. The contract will end on the 30th September within the last 12 months of the cycle, irrespective whether the full 36 months were reached or not.

C3.1.2 Services Overview

The services required of the RAMS Management Consultant are as follows:

- ~~Implementation of a new RAMS~~
- Familiarisation with current RAMS and Employers operational requirements
- Upgrade / Improve current RAMS
- ~~Create Road Network Inventory~~
- Update Road Network Inventory
- ~~Create Bridge and Major Culvert Network Inventory~~
- Update Bridge and Major Culvert Network Inventory
- ~~Create "Other" Structures (Gantries, Retaining Walls, Tunnels etc. as directed) Network Inventory~~
- Update "Other" Structures (Gantries, Retaining Walls, Tunnels etc. as directed) Network Inventory
- ~~Create Borrow Pit Inventory~~
- Update Borrow Pit Inventory
- Field Data Acquisition Establishment; Traffic Management; and Automated Data Collection of
 - ~~Deflection (TSDD)~~
 - Deflection (FWD)
 - ~~Automated Crack Detection~~
 - Geometry (Longitudinal and Transverse)
 - Imaging
 - Riding Quality
 - Rut Depth
 - Texture
 - ~~Friction~~
 - Provide System support and maintenance
- Undertake Network Road Safety Assessments
- Accident Reporting
- Bridge, Major Culvert and "Other" Structures Inspections
- ~~Automated Traffic Counting~~
- Manual Traffic Counting
- Borrow Pit Investigations
- Data Analysis, Verification, and Capture of data to RAMS
- Quality Control of Acquisition and Analysis
- ~~Panel Inspections~~
- Network Report Compilation for:
 - Flexible Paved Road Network
 - Unsurfaced Road Network
 - ~~Rigid (Concrete) Road Network~~
 - Semi Rigid (Block Paved) Road Network
 - Road Safety Assessments
 - Accidents
 - Traffic
 - Structures (Bridges, Major Culverts and Other structures)
 - Asset Register
 - RAMP
 - Borrow Pit Management

- Ad Hoc Support
- Mentorship and Training

In terms of the data collection and analysis aspects, the Employer requires that the data collection is undertaken as safely as possible with minimal disruption to the travelling public.

In addition the data collection and analysis is to be undertaken with a high degree of accuracy – to minimize erroneous reporting – and with optimal production outputs to ensure that the data reported is current. ~~In order to achieve this, the data collection (and analysis where relevant) is to be undertaken using automated methods as discussed in the project specifications (C3,2).~~

All automated data collection equipment is to comply with the specifications contained in the relevant Draft TMH 22 A to G.

C3.1.3 Location of the Project

The services are required on the paved and unpaved road network of Urban streets under the authority of local municipalities within Fezile Dabi District Municipality– refer locality map below.

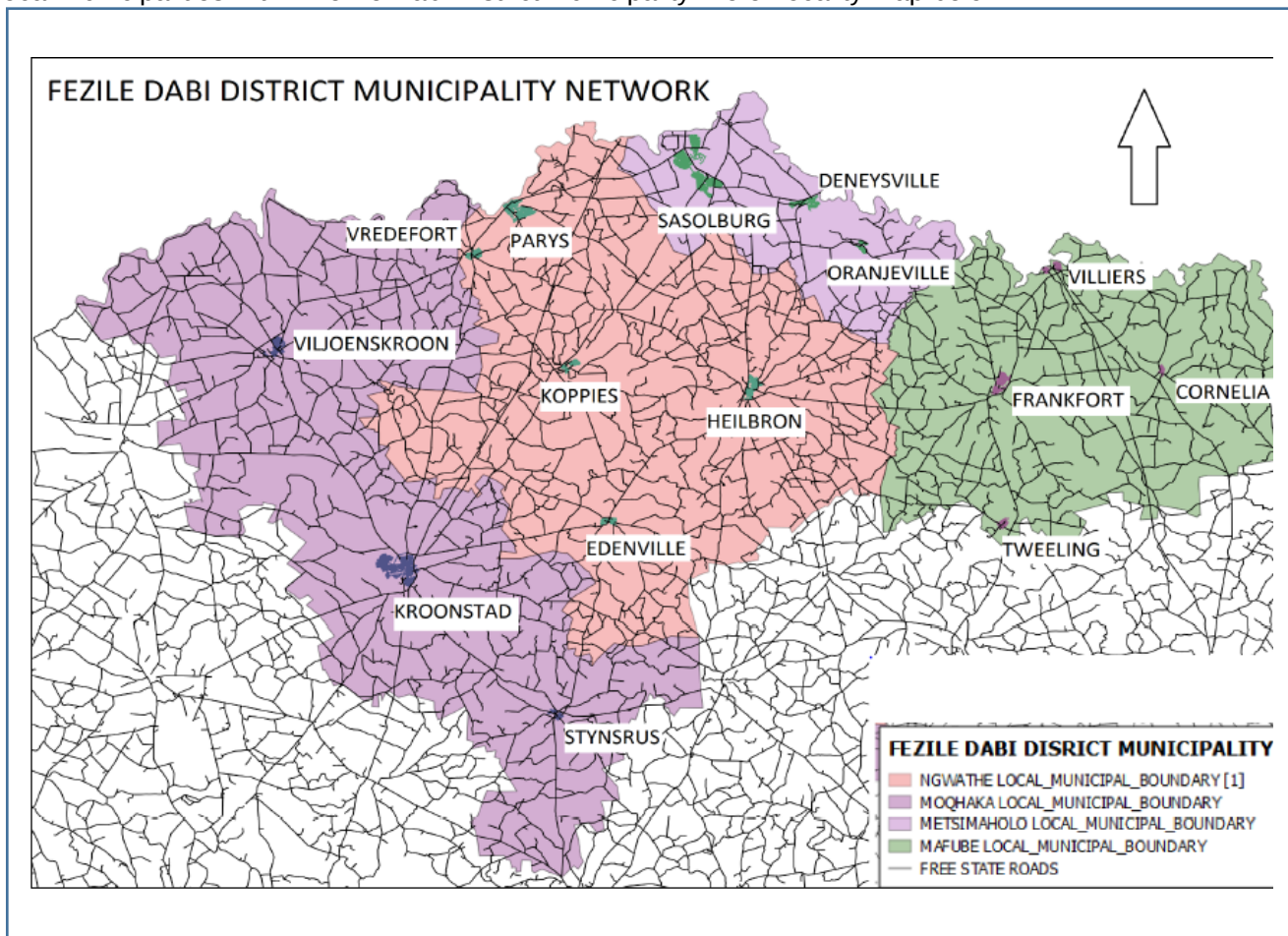


Figure C3.1.3.1: Locality Map

All project meetings including the annual calibration and accreditation session's will be held at the Employer's offices in Sasolburg, Free State

C3.1.4 Extent of the Road Network and Number of Structures

The extent of the road network is given in Tables C3.1.4.1 and C3.1.4.2 below:

Table C3.1.4.1 : Extent of the Road Network per Pavement Type

PAVEMENT TYPE	CARRIAGEWAY KILOMETRES	SINGLE CARRIAGEWAY LANE KILOMETRES	DUAL CARRIAGEWAY LANE KILOMETRES
Flexible Surfaced	795,36	795,36	-
Concrete Surfaced (Rigid)	1,85	1,85	-
Block Paved (Semi-Rigid)	198,84	198,84	-
Unsurfaced (Gravel or Earth)	1 136,32	1 136,32	-

In total, the paved and unpaved road network comprises of 2139.88 carriageway kilometres. In terms of (RCAM) road classification, the network consists of the following:

Table C3.1.4.2: Extent of the Road Network per Road Category

ROAD CATEGORY	CARRIAGEWAY KILOMETRES	SINGLE CARRIAGEWAY LANE KILOMETRES	DUAL CARRIAGEWAY LANE KILOMETRES
Class 1	-	-	-
Class 2	-	-	-
Class 3	-	-	-
Class 4	404.47	342.482	-
Class 5	1763.28	1704.716	-
Class 6	-	-	-

Table **C3.1.4.3** below gives a summary of the bridge and major culvert network as well as other structures

Table C3.1.4.3: Bridges, Major Culverts and Other Structures

STRUCTURE TYPE	NUMBER
Bridge	3
Major Culvert	18
Minor Culverts	241

C3.1.4 Existing RAMS Systems and Available Data

The Employer has the following existing systems in place:

- RAMS database as per TMH18 including paved and unpaved data
- Asset register for bridges
- Asset register for minor culverts

- Asset register for road furniture
- GIS for roads spatial data
- Traffic Data

The current system has been operating for 12 years in which time 4 data collection projects have been undertaken.

The most recent update of the system was carried out in 2025/2026 when 988km road network was visually assessed.

Unpaved and paved road condition data is currently 1-2 years old

The bridge/major culvert inspections were last undertaken a year ago.

All historic data will be made available to the Service Provider

C3.1.5 Equipment and Personnel

Current calibration and validation certification is required for all testing/measurement **equipment** as given in the respective sections of the Scope of Works (3.2).

It will be required from the service provider to appoint on a fixed term contract 4 x students who need in service training. Training and skills needs to be transfer to them for the duration of the contract.

The paved and unpaved **visual assessors** must also attend the compulsory annual calibration and accreditation sessions before being permitted to undertake any visual assessments viz:

- Day 1 : Theoretical classroom workshop for paved and unpaved assessments
- Day 2 : Individual practical field assessments for paved and unpaved roads
- Day 3 : Written examination and evaluation of field assessments.

A minimum of 80% is required to pass the written examination.

In terms of the field assessment, the accuracy of the assessors will be a 2-stage evaluation:

- Stage 1 - 90% of the Condition Index values for the individual field assessment roads must be within a + or – 5 percentage points tolerance of the control Condition Index as determined by the employers RAMS engineer - illustrated by the example in Figure C3.1.5.1

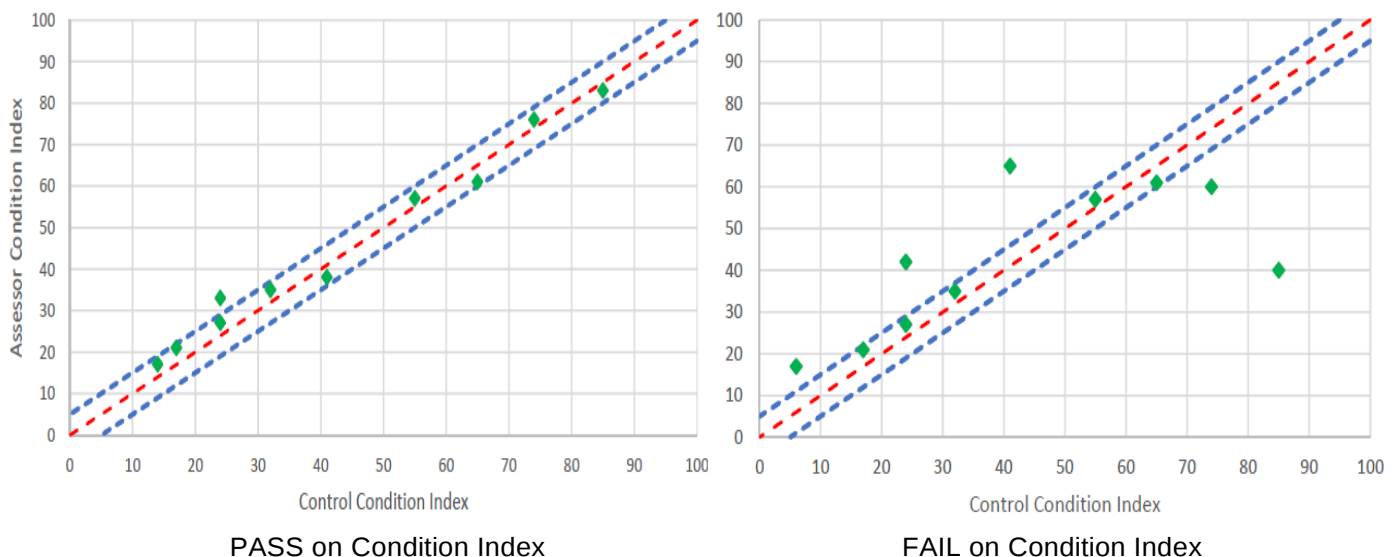


Figure C3.1.5.1 : Control vs Assessor Condition Index Correlation Check

- Stage 2 – The individual distress ratings are checked against the control to establish that the correct distress is being identified and that the extent and degree is being applied in terms of the TMH 9 methods.

C3.1.6 Employers Preliminary Works Schedule

The Employer has identified a preliminary annual schedule of works as per the attached Bill of Quantities, which include but are not limited to:

- Update the inventory data base of the RAMS
- Assess road conditions paved & unpaved
- Road Safety Assessments
- Updating of Un-proclaimed roads
- Bridge and Major Culvert Inventory
- Bridge and Major Culvert Inspections and update BMS
- Assess Ancillary assets
- Collect Instrument pavement data
- Update Borrow Pit Inventory BPMS
- Traffic counts
- Road Safety Assessments (IRAP or Similar)
- Compiling tender specifications for the next cycle 3 months before the end of contract.

The above works schedule is included for indicative purposes only and has no contractual implication. The scheduling of actual works will be aligned to the accepted tender amount and the Employers annual budget allocation for the Project. Priced items may also be moved across years in order to comply with the relevant TMH requirements, TMH age of data requirements and budget allocations.

C3.1.7 Electronic Data Exchange Format

The formatting of electronic data is to be STRICTLY on terms of the TMH 18 document.

C3.2 PROJECT SPECIFICATIONS

The specifications / pay item descriptions given hereunder are to be read in conjunction with Section C2.1 **“PREAMBLE TO THE PRICING SCHEDULE”**, Section 3.1 **“PROJECT DESCRIPTION”** and Section C2.2 a); C2.2 b) and C2.2 c) **“PRICING SCHEDULE OF RATES”** – where the item numbers appearing in the latter refer to the corresponding item numbers in **Section C3.2** (this section).

Should there be discrepancy between this section and the contents of Sections C2.1, C2.2 a), C2.2 b), C2.2 c) and C3.1, the stipulations of Section C3.2 shall take precedence and be applied

1000: RAMS SYSTEM IMPLEMENTATION

10.01 + New RAMS System Installation

~~The RAMS will be an operation level I compliant system as defined in COTO TMH 22 document and consist of an integrated set of information and decision sub systems. The system data is to be contained in a SQL Server database with shapefiles that link each road segment via unique segment ID's. A web based system is required to view and query the data.~~

~~The following sub systems are a minimum requirement for the RAMS~~

~~Road Network Information Module (RNIM) / Geographic Information System (GIS)~~

~~This is the critical component of the overall system. This sub system is to be GIS (ArcGIS or similar) linked / synchronized and will contain essential inventory data such as road logs, with roads broken down into links and segments. The links are described road category, start and end descriptions and distance, road width, surface type etc.~~

~~The GIS will also be used to display information from the other support sub systems.~~

~~Pavement Management System (PMS)~~

~~The PMS includes various data viewing, data capture and reporting modules for all visual and other pavement data collected on flexible surfaced, concrete surfaced, block paved and un surfaced roads.~~

~~All historic and current visual condition assessment and instrument (deflection, riding quality, profiling measurements etc.) data together with road furniture such as guardrails, kerbs, drainage, signage etc., is to be stored in the PMS data tables.~~

~~Traffic Information Management System (TIMS)~~

~~This information system contains data from manual traffic and automated electronic traffic counts. The TIMS will act as a repository for all traffic data and will have both viewing and data querying capability to calculate current and future traffic volumes, cumulative axle loading etc. as required by the PMS and BMS, determined by the applicable level of the RAMS operation level.~~

~~Borrow Pit Materials Management System (BPMMS)~~

~~The BPMMS sub-system is intended to contain all pertinent data relating to the opening, operating and rehabilitating of gravel borrow pits. In addition, the module must be capable of storing and calculating laboratory test data and maintaining a dynamic record of gravel usage and quantity~~

~~Bridge Management System (BMS)~~

~~Data on condition of structure(bridges and culverts) as prescribed Technical Methods for Highways(TMH19 series)~~

~~Construction Record Management System (CRMS)~~

~~The RAMS system must contain a module for storing construction "as built" records together with detailed road maintenance/rehabilitation expenditure information~~

~~Asset Management Reporting System (AMRS)~~

~~The RAMS system must comply with all the requirements of the COTO framework for asset management (applicable to the required RAMS operation level) and be fully GRAP 17 compliant in terms of being able to produce standard and user defined asset valuation reports as well as a detailed roads infrastructure asset register.~~

Road Safety Management System (RSMS)

The RAMS system must either include a road safety assessment / analysis / reporting module

~~Reporting Format~~

~~The RAMS system must comply with all the requirements of the COTO framework for data formats TMH 18 requirements.~~

~~General~~

~~The rate tendered for the provision of a new RAMS system inclusive of the above modules and requirements will be a Lump Sum and shall include all software development and purchase costs, end user licensing and technical support for the duration of the contract, and all labour, materials, travel, equipment, disbursements and necessary to provide and install a fully functional system.~~

10.02 : Existing System Familiarisation

The current RAMS system comprises of the following sub-systems:

- Road Network Information Module **(RNIM)**
- Geographic Information System **(GIS)**
- Surfaced Road Pavement Management System **(S/PMS)**
- Gravel Road Pavement Management System **(G/PMS)**
- ~~Concrete Road Pavement Management System **(C/PMS)**~~
- Block Paved Pavement Management System **(B/PMS)**
- Traffic Information Management System **(TIMS)**
- Bridge Management System **(BMS)**
- ~~Borrow Pit Materials Management System **(BPMMS)**~~
- ~~Construction Record Management System **(CRMS)**~~
- Asset Management Reporting System **(AMRS)**
- Road Safety Management System **(RSMS)**

The service provider is required to familiarize themselves with the current system including GIS, database(s), software, interfaces, reporting and all other processes required to operate the system.

The rate tendered for undertaking familiarization of the existing system will be a Man Hour and shall include all labour, materials, equipment, travel, disbursements and other items necessary to carry out the system familiarization process.

10.03 : Existing System Upgrade

The current RAMS system is to be upgraded to include the following modules:

The RAMS will be an operation level I compliant system as defined in COTO TMH 22 document and consist of an integrated set of information and decision sub-systems. The system data is to be contained in a SQL Server database with shapefiles that link each road segment via unique segment ID's. A web-based system (GeoRAMS) is required to view and query the data.

- Road Network Information Module **(RNIM)**
- Geographic Information System **(GIS)**
- Surfaced Road Pavement Management System **(S/PMS)**

- Gravel Road Pavement Management System (**G/PMS**)
- ~~Concrete Road Pavement Management System (**C/PMS**)~~
- Block Paved Pavement Management System (**B/PMS**)
- Traffic Information Management System (**TIMS**)
- Bridge Management System (**BMS**)
- ~~Borrow Pit Materials Management System (**BPMMS**)~~
- ~~Construction Record Management System (**CRMS**)~~
- Asset Management Reporting System (**AMRS**)
- Road Safety Management System (**RSMS**)

The service provider is required to familiarize themselves with the current system, develop the above (and possibly other) new modules / sub-systems in consultation with the Employers staff and integrate them to the existing system.

In addition to the above, adaptation of the current system to comply with the TRH 18 data electronic exchange formats is required

The rate tendered to upgrade the existing RAMS system will be a Sum and shall include all software development and/or purchase costs, end user licensing and technical support for the **duration of the contract** and all labour, materials, equipment, travel, disbursements and any other necessary items to provide and install a fully functional system. The Employer will require fifteen (15) licenses to access the web based system described above.

2000: NETWORK INVENTORY

~~20.01 : Create Road Information Module (RNIM)~~

~~The service provider will be required to undertake a full road network inventory definition exercise to create the RNIM database(s). The initial road network inventory will be a “desk top” study (with confirmation being carried out during the road condition survey) and will be undertaken as per Draft TMH 22 Part B guidelines involving, inter alia, the following basic aspects:~~

- ~~• Classification of the road network in terms of the Road Infrastructure Strategic Frameworks for South Africa (RIFSA) as well as the TRH 26 document~~
- ~~• Definition of road location and start/end point~~
- ~~• Definition of road segments and link nodes~~
- ~~• Possible digitizing of roads from geo-referenced images~~
- ~~• Capture of inventory data to RNIM/GIS and create preliminary inventory data base~~
- ~~• Inventory data confirmation of start/end nodes, length, width, surface type etc. plus the collection of continuous GPS co-ordinates is to be carried out during the road condition data collection process.~~

~~The rate tendered to create the RNIM will be a Man Hour and shall include all costs for labour, materials, equipment, travel, disbursements and other necessary items to carry out a road network definition and create the RNIM/GIS database(s)~~

20.02 : Update RNIM

The service provider will be required to undertake full confirmation of the current road network inventory definition data and add any missing inventory information during the road condition survey and capture this information to the RNIM/GIS.

The rate tendered to update the RNIM will be a Man Hour and shall include all costs for labour, materials, equipment, travel, disbursements and other necessary items to confirm the road network definition information in the field for subsequent update to the existing RNIM/GIS database(s)

~~20.03 : Create Bridge Inventory (BMS)~~

~~The service provider will be required to undertake an inventory of all bridge and major culvert structures to create the BMS inventory database(s). The initial assessment will be by a desk top study with confirmation / additions being carried out during the road condition survey and bridge inspections. The inventory exercise will be aligned to the specifications of Draft TMH 19 Part A and the work will involve, inter alia, the following aspects:~~

- ~~• Identification of bridges and major culverts~~
- ~~• Capture of inventory data to BMS/GIS and create preliminary inventory data base~~
- ~~• Inventory data confirmation of major structures undertaken during the road condition data collection process. Initial collection of minor culverts and other additional structures will also be carried out during the condition survey~~

~~The rate tendered to create the BMS inventory will be a Man Hour and shall include all costs for labour, materials, equipment, travel, disbursements and other necessary items to carry out the structures inventory and create the BMS/GIS database(s).~~

20.04 : Update Bridge Inventory (BMS)

The service provider will be required to undertake a basic confirmation of the BMS inventory during the road condition survey. Detailed inventory checks are to be carried out during the bridge inspections. Inventory updates are to as per the requirements of TMH 19 Part A

The rate tendered to create the BMS inventory will be a Man Hour and shall include all costs for labour, materials, equipment, travel, disbursements and other necessary items to confirm/check the structures inventory and update the BMS/GIS database(s).

20.05 : Create Borrow Pit Materials Management Inventory (BPMMS)

~~The service provider will be required to undertake an inventory of all borrow pits and quarries registered to the Employer. The initial assessment will be by a desk top study and literature examination with confirmation being carried out through field visits. The work will involve, inter alia, the following aspects:~~

- ~~• Identification of borrow pits and quarries~~
- ~~• Capture of inventory data e.g., co-ordinates, permit number, material type, material quantity etc. to BPMMS/GIS and create preliminary data base~~
- ~~• Inventory data verification through field visits~~

~~The rate tendered to create the BPMMS inventory will be a Man Hour and shall include all costs for labour, materials, equipment, and other necessary items to carry out the BPMMS inventory and create the BPMMS/GIS database(s). Travel costs in excess of 50km and other subsistence costs for the field verification exercise pre approved by the Employer, are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.~~

20.06 – Updating Borrow Pit Materials Management Inventory (BPMMS)

~~The service provider will be required to update the existing BPMMS inventory with all “new” borrow pits and quarries registered to the Employer. This information will be provided by the Employer but verification field visits will be required as for item 20.05. The work will involve, inter alia, the following aspects:~~

- ~~• Identification of new borrow pits and quarries through consultation with Employers staff~~
- ~~• Capture of inventory data for new materials sources to BPMMS/GIS to update existing data base~~
- ~~• Inventory data verification through field visits~~

~~The rate tendered to create the BPMMS inventory will be a Man Hour and shall include all costs for labour, materials, equipment, and other necessary items to update the BPMMS/GIS database(s). Travel costs in excess of 50km and other subsistence costs for the field verification exercise pre approved by the Employer, are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.~~

3000: FIELD DATA ACQUISITION

30.01: Establishment

~~30.01 a) : Traffic Speed Deflectometer Device (TSDD)~~

~~The rate tendered to establish the Traffic Speed Deflectometer Device will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment.~~

30.01 b) : Falling Weight Deflectometer (FWD)

The rate tendered to establish the Falling Weight Deflectometer will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment.

30.01 c) : Digital Laser Profiler Class 1 (15 lasers)

The rate tendered to establish the 15 laser Digital Profiler will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment

~~30.01 d) : Digital Laser Profiler Class 1 (3 lasers)~~

~~The rate tendered to establish the 3 laser Digital Profiler will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment~~

~~30.01 e) : Response Type Roughness Meter~~

~~The rate tendered to establish the Roughness Meter will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment~~

~~30.01 f) : Surface Friction Tester (Automatic)~~

~~The rate tendered to establish the automatic Surface Friction Tester (ASFT, Grip tester or similar approved) will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment~~

~~30.01 g) : Portable Friction Tester (Manual)~~

~~The rate tendered to establish the manual Portable Friction Tester (Pendulum type as approved) will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment~~

~~30.01 h) : Walking Profiler~~

~~The rate tendered to establish the Walking Profiler (APRB G3 or similar approved) will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the equipment on site. The amount will be paid once only following establishment of the equipment~~

30.01 i) & 30.01 j) : Visual Assessors – Paved and Unpaved Roads

The rate tendered to establish the Visual Assessors will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, and other necessary items to establish the required number of assessors on the project. All costs associated with the 3 day calibration and accreditation session, as

discussed in C3.1.4 is also to be included under this item. Only staff who have successfully attended and passed the calibration session and have been formally approved in writing by the employer may undertake visual assessments. Should any of the originally proposed visual assessors not pass the calibration and accreditation process, replacement persons with comparable experience are to be established to undertake the calibration/accreditation until the requisite number of assessors are accredited – the establishment and calibration session costs of replacement persons will be for the contractor's account. The Lump Sum amount will be paid once only following successful accreditation of the requisite visual assessors

30.02 : Traffic Control

Traffic control will be undertaken strictly in terms of the relevant specification in the latest edition of SARSTM Chapter 13. A detailed traffic management plan is to be submitted to the Employer for approval prior to any work being undertaken. Non-compliance with the approved traffic management plan will result in a fixed penalty of R 1000 per occurrence and a time related hourly penalty of R 500 measured from the time of non-compliance notification to the time of rectification

30.02 a) : Falling Weight Deflectometer (FWD)

The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider

30.02 b) : Surface Profiling and Road Roughness Meter

The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider

~~30.02 c) : Friction Measurements~~

~~The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider~~

30.02 d): Bridge Inspections

The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider

30.02 e) : Traffic Counting

The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider

30.02 f) : Safety Assessments

The rate tendered to implement the approved traffic management plan and to undertake the traffic control measures will be a Lump Sum and shall include all costs for labour, materials, equipment, travel, disbursements, sub-contractors and other necessary items to undertake this task. The amount will be paid in two (2) equal portions, the first part will be paid following commencement of the work in accordance with the traffic management plan with the second instalment being due once the task is completed. Any penalty's accruing to this task – refer 30.02 - will be deducted from amounts due to the service provider

30.03 : Data Collection – Road Network

~~The standard operational procedures as given in Draft TMH 13 Part A to C are to be strictly adhered to. Prior to data collection being undertaken, the service provider shall submit the following documentation for the Employer's approval:-~~

- ~~• All activities : Contract Quality Plan – refer Draft TMH 13 Part A and Draft TMH 22~~
- ~~• Automated / Instrument Data collection : Current (not more than 12 months) minimum Class 2 Calibration Report – refer to Draft TMH 13 Part A to C~~
- ~~• Automated / Instrument Data collection : Current (not more than 3 months) minimum Class 2 Validation Report – refer to Draft TMH 13 Part A to C~~

~~The above documents are to be submitted for each individual data collection facet listed below. In addition, these requirements, “on site” calibration / validation together with control testing during the data collection operation will be required as per the stipulations of Draft TMH 13 Part A to C.~~

30.03 a) : Traffic Speed Deflectometer Device (TSDD)

~~The undertaking of continuous deflection measurements utilizing a Traffic Speed Deflectometer Device (TSDD) is to be carried out as directed. The TSDD is to be equipped with positioning system(s) meeting the requirements of Draft TMH 13 Part B.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, materials, equipment, taking the continuous deflection measurements, quality plan, control testing, calibration and verification costs and all other necessary actions to undertake this task.~~

30.03 b) : Automated Crack Detection

~~Automated crack detection imaging is to be undertaken as directed. This task is to be undertaken strictly in accordance with the requirements of the Draft TMH13 Part C document. The imaging system utilized is not restricted, but “sealed frame” is a minimum requirement with “range imaging” methods being preferred.~~

~~The measurement of crack detection will preferably be integrated and synchronized with the collection of other data (with TSDD survey for example), but if a “stand alone” vehicle is used, the positioning system is to comply with the requirements of Draft TMH 13 Part B.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, materials, equipment, taking the continuous images, quality management, control testing, calibration and verification costs together with other necessary items to undertake this task.~~

30.03 c) : Geometry

The automated collection of road geometry is to be undertaken on portions of the road network as directed. As a minimum, the road geometry is to be measured using differential global positioning system (DGPS) in combination with an inertial navigation system (INS) with the measurement systems meeting the requirements of Draft TMH 13 Part B.

The collection of geometry data is to be synchronized with other condition measurement activities

The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour,

materials, equipment, taking the continuous measurements, all calibration and verification costs, quality-plan, control testing plus other necessary items to undertake this task.

30.03 d) : Falling Weight Deflectometer (FWD)

Falling weight deflectometer (FWD) measurements is to be undertaken on portions of the road network as directed. The maximum longitudinal distance between adjacent measurements shall be 10m (staggered between the left and right lanes) but this is to be reduced if directed by the Employer. The condition of the pavement at the test position is to be recorded, e.g. "severe crocodile cracking"

The FWD equipment is to comply with the technical standards stipulated in the Draft TMH 13 Part F as is the survey methodology (in conjunction with TMH 22). The FWD vehicle must be equipped with calibrated distance measuring instrument (DMI) and global positioning system device meeting the requirements of TMH 13 Part B.

Operators must be fully conversant in the use of the deflection measurement equipment and follow the manufacturer's instructions for use of the equipment. Proof must be supplied that Operators have undergone training in the use and operation of equipment offered.

The unit of measurement to undertake this testing will be a Test Point and shall include all costs for labour, materials, equipment, disbursements, measuring the deflections at 3 "drops" per test point, calibration and verification costs, quality management and control testing and other necessary items to undertake this task.

30.03 e) : Continuous Digital Imaging (Standard)

The undertaking of continuous "standard" digital imaging shall be carried out on portions of the road network as directed. The imaging equipment will, as a minimum, be capable of DMI triggered 260 degree frame imaging and is to comply with the technical specifications of Draft TMH 13 Part G. The imaging vehicle must be equipped with calibrated linear distance measuring device and global positioning system meeting the requirements of TMH 13 Part B.

The unit of measurement to undertake this testing will be a Test Point and shall include all costs for labour, materials, equipment, disbursements, taking the images at 10m intervals, quality management, control testing, calibration and verification costs, together with all other necessary items to undertake this task

~~30.03 f) : Continuous Digital Imaging (Quantitative)~~

~~The undertaking of continuous "quantitative" digital imaging (i.e., images that can be measured) shall be carried out on portions of the road network as directed. The imaging equipment will, as a minimum, be capable of DMI triggered 260 degree scaled frame imaging and is to comply with the technical specifications of Draft TMH 13 Part G. The imaging vehicle must be equipped with calibrated linear distance measuring device and global positioning system meeting the requirements of TMH 13 Part B.~~

~~The unit of measurement to undertake this testing will be a Test Point and shall include all costs for labour, materials, equipment, disbursements, taking the images at 10m intervals, calibration and verification costs, quality management, control testing and all other necessary items to undertake this task~~

30.03 g) : IRI (International Roughness Index) – Class 1

The measurement of Class 1 riding quality testing is to be undertaken on portions of the road network as directed with the data being recorded as follows:

- Wheel path: two per lane
- Profile sampling interval: $\leq 25\text{mm}$
- IRI reporting interval: $\geq 10\text{m}$ and $\leq 100\text{m}$

A high precision profiler (Class 1) is to be used for the measurement of the riding quality and the equipment is to comply with system operational and calibration / verification requirements stipulated in Draft TMH 13 Part C. In addition, the profiling vehicle is to be equipped with a positioning system complying with Draft TMH 13

Part B

Factors that may influence IRI shall be recorded during the survey and the data corrected accordingly. These include, but are not limited to, traffic congestion, pavement condition, having to travel off the carriageway, etc. There are some practical operation practices that the operator should avoid such as sudden acceleration or braking during surveys. Where survey speeds cannot be maintained this must be noted

If road conditions are extremely rough that the collection of riding quality data as prescribed above is not practical or safe; the service provider shall provide an alternative means for estimating pavement roughness for use in such areas, calibrated by ASTM E 1364-95 or a similarly acceptable standard, and subject to Employer approval.

The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, materials, disbursements, equipment, taking the roughness measurements, quality management and control testing, calibration and verification costs plus other necessary items to undertake this task.

~~30.03 h) : IRI (International Roughness Index) – Class 3~~

~~The measurement of Class 3 riding quality on surfaced roads is to be undertaken on portions of the road network as directed. A response type device, calibrated to known IRI in accordance with ASTM E1448-02/08, is to be used for the measurement of the riding quality and the equipment is to comply with system operational and calibration / verification requirements stipulated in Draft TMH 13 Part C. In addition, the profiling vehicle is to be equipped with a positioning system complying with Draft TMH 13 Part B~~

~~Factors which may influence the IRI shall be recorded during the survey and the data corrected accordingly. These include, but not limited to, traffic congestion, pavement condition, travel off the carriageway, etc.~~

~~If road conditions are extremely rough that the collection of riding quality data as prescribed above is not practical or safe; the service provider shall provide an alternative means for estimating pavement roughness for use in such areas, calibrated by ASTM E 1364-95 or a similarly acceptable standard, and subject to Employer approval.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, taking the roughness measurements, quality management, control testing, calibration and verification costs plus other necessary items to undertake this task.~~

30.03 i): Wheel path Rutting

The undertaking of continuous wheel track rutting measurements will be done on portions of the road network as directed by the Employer. The rut data is to be collected using a high speed profiler using laser point sensors. The measurement process, system capabilities and calibration / verification requirements are as per the stipulations of the Draft TMH 13 Part D. The profiling vehicle must be equipped with calibrated linear distance measuring device meeting the requirements of TMH 13 Part B.

The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, measuring the wheel path rutting, quality management, control checks, calibration and verification costs plus other necessary items to undertake this task.

30.03 j) : Transverse Profile Rutting

The undertaking of continuous transverse profile wheel track rutting measurements will be done on portions of the road network as directed by the Employer. The rut data is to be collected using a high speed profiler using full width scanning lasers. The measurement process, system capabilities and calibration / verification requirements are as per the stipulations of the Draft TMH 13 Part D. The profiling vehicle must be equipped with calibrated linear distance measuring device meeting the requirements of TMH 13 Part B.

The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, measuring the full width transverse rutting profile, control checks, quality management, calibration and verification costs plus other necessary items to undertake this task.

30.03 k) : Macro Texture

Macro texture measurements shall be undertaken on portions of the road network as directed by the Employer. The measurements are to be carried out in each wheel path simultaneously using a high speed non-contact texture profiler. The measuring system is to be compliant with the technical standards stipulated in the Draft TMH 13 Part E, whilst positioning equipment must be according to Draft TMH 13 Part B

The unit of measurement to undertake this testing will be Lane.Km and shall include all costs for labour, materials, equipment, disbursements, measuring the texture depth, quality checks, control testing, calibration and verification costs plus other necessary items to undertake this task.

~~30.03 l) : Surface Friction Testing (Automatic)~~

~~Continuous surface friction testing is to be undertaken on portions of the road network as directed and is to be carried out by purpose built equipment such as Side Force Testers and Fixed Slip Testers.~~

~~Whichever system is employed, it is to comply strictly with the technical standards stipulated in the Draft TMH 13 Part E as is the survey and calibration / validation methodology. The towing vehicle must be equipped with calibrated linear distance measuring device and GPS meeting the requirements of TMH 13 Part B.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, materials, disbursements, equipment, undertaking the friction measurements, quality management, control testing, calibration and verification costs plus other necessary items to undertake this task.~~

~~30.03 m) : Surface Friction Testing (Manual)~~

~~Manual friction testing using the British Pendulum Tester (BPT) is to be undertaken only on formal instruction of the employer. The calibration and testing shall conform to ASTM E 303 — 93 (2018)~~

~~The unit of measurement to undertake this testing will be a Test Point and shall include all costs for labour, materials, equipment and measuring the friction as per standard test method. Travel costs in excess of 50km and other subsistence costs — pre approved by the Employer — are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates~~

~~30.03 n) : Response Type Roughness Meter — Class 3~~

~~The measurement of Class 3 riding quality on the **un-surfaced** road network is to be undertaken as directed. A response type device, calibrated to known IRI in accordance with ASTM E1448-92/98, is to be used for the measurement of the riding quality and the equipment is to comply with system operational and calibration / verification requirements stipulated in Draft TMH 13 Part C. In addition, the profiling vehicle is to be equipped with a positioning system complying with Draft TMH 13 Part B~~

~~Factors which may influence the IRI shall be recorded during the survey and the data corrected accordingly. These include, but not limited to, traffic congestion, pavement construction activities, travel off the carriageway, etc.~~

~~If road conditions are extremely rough that the collection of riding quality data as proscribed above is not practical or safe; the service provider shall provide an alternative means for estimating pavement roughness for use in such areas, calibrated by ASTM E 1364-95 or a similarly acceptable standard, and subject to Employer approval.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, taking the roughness measurements, quality management, control testing, calibration and verification costs plus other necessary items to undertake this task.~~

~~30.03 o) : Walking Profiler~~

~~The measurement of riding quality using a walking profiler — ARRB Walking Profiler or similar approved, — is only to be undertaken as directed by the Employer.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour,~~

~~materials, equipment and measuring the profile as per standard test method. Travel costs in excess of 50km and other subsistence costs – pre-approved by the Employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates~~

30.03 p) : Road Safety Assessments (IRAP or Similar)

Network Level Road Safety Assessments is to be undertaken on portions of the road network as directed by the Employer. The road safety assessments are to be directly managed by a Road Safety Survey Project Manager and only be carried out by persons accredited as road safety surveyors/assessors with IRAP or similar body approved by the Employer

The unit of measurement to undertake safety assessment a Lane.Km and shall include all costs for labour, materials, equipment, and undertaking the assessment. Travel costs in excess of 50km and other subsistence costs – pre-approved by the Employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates

30.03 q) : Accident Statistics

The service provider is required to manage the collection of accident reports and other pertinent documents within the Employer's jurisdiction. The accident information will be integrated with the RAMS for the production of monthly network accident reports

The unit of measurement to undertake this task is per accident report and shall include all costs for labour, materials, equipment, data capture / management, and report compilation. Travel costs in excess of 50km and other subsistence costs – pre-approved by the Employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates

30.03 r) : Visual Conditions Paved and unpaved

The visual condition assessors will be required to do field condition assessments as per TMH 9. Condition assessments are to be carried out using a mobile device with a GPS device fitted. The extracted data will be as per the applicable TMH 18 format and will be used in the applicable pavement management system.

The unit of measurement to undertake this task is per Carriageway.kilometer and shall include all costs for labour, materials, equipment, data capture / management, and report compilation. **Travel cost and accommodation will be included in the rate provided.**

30.04 : Data Collection – Structures

30.04 a) : Bridge Structures and 30.04 b) Major Culvert Structures

Only accredited bridge and culvert inspectors are to be utilized to undertake inspections of bridges 30.04 a) and major culverts 30.04 b). Certified bridge inspectors may inspect bridges and/or major culverts whilst certified major culvert inspectors can be employed to inspect major culverts only. The inspections are to be carried out in accordance with the requirements of Draft TMH 19 Part A and B including an inventory check, condition assessments and photographs. A senior certified bridge Inspector is to be used for Quality Assurance on 10% of the major and minor structures network, though he/she can also be used to inspect the bridges and/or major culverts.

Should any defects that require immediate attention be discovered, this information is to be delivered to the respective senior manager of the Employer without undue delay

The unit of measurement shall be the number of major structures (30.04 a) and minor structure (30.04 b) and shall include full compensation for all labour, transport and equipment necessary to undertake the inspections AND quality assurance checks and shall also include the first 50km of travel cost. Travel costs in excess of 50km and other subsistence costs – for the initial inspections only and pre-approved by the employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.

30.05 : Data Collection – Traffic

30.05 a) : Automated Traffic Counting

~~Automated traffic counting is to be undertaken in terms of the Draft TMH 3 and 8 as relevant. Traffic volume shall be captured using a portable type, battery operated, multi-lane time interval traffic counter and classifier. The equipment shall be capable of collecting valuable traffic data, primarily vehicle count and classification. Other data that can be captured are gap, headway, speed by axle and speed by length. The duration of the traffic count shall generally be 7 days for 24 hours per day.~~

~~The unit of measurement is the number of individual traffic counting sites and shall include full compensation for all labour, transport, materials, establishment and equipment necessary to undertake the traffic counts at the sites as specified and shall also include the first 50km of travel cost. Travel costs in excess of 50km and other subsistence costs – both pre-approved by the employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.~~

~~The service provider shall repeat the automated traffic count at his own cost should the data be found to be erroneous. The Employer shall provide adequate evidence for such rejection. Data shall be submitted in the formats prescribed in Draft TMH 14~~

30.05 b) : Manual Counts

The traffic counting shall be carried out in accordance with the stipulations of Draft TMH 3 & 8 as relevant by pre-approved survey enumerators by capturing the traffic in a pre-defined format. The survey site shall be appropriately designated and marked such that it provides the field teams a safe place for the duration of the counting. The traffic counts shall be undertaken between the hours of 06:00 to 18:00 on days as specified at the selected survey stations. The vehicle classification system shall be discussed with Employer before the survey starts. As guidance the classification shall be in line with HDM-4 classifications.

The unit of measurement shall be the man hour and will include full compensation for all labour, transport, disbursement and equipment necessary to undertake the traffic counts and shall also include the first 50km of travel cost. Travel costs in excess of 50km and other subsistence costs – both pre-approved by the employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.

Data shall be submitted in the formats prescribed in Draft TMH 14 and the service provider shall repeat the traffic surveys for the specified period at his own cost should the data be found to be erroneous. The Employer shall provide adequate evidence for such rejection.

30.05 c) : Weigh in Motion (WIM)

A Provisional Sum has been included for the undertaking of Weigh in Motion surveys. Expenditure under this item shall only be undertaken on written instruction of the Employer with data being submitted in the formats prescribed in Draft TMH 14

30.06 : Data Collection – Borrow Pit Management System

~~A Provisional Sum has been included for managing the appointment process of a materials laboratory and subsequent field testing of existing borrow pits and quarries. Expenditure under this item shall only be undertaken on written instruction of the Employer~~

4000: DATA ANALYSIS / VERIFICATION

40.01 : Road Network

40.01 a) : Visual Condition

The visual condition of the road network shall be undertaken using the guidelines of the Draft TMH 9 (Parts A to E as applicable)

Only accredited visual assessors are permitted to do the assessment (refer to project specification item 30.01 i)) with ratings being captured directly to the PMS data capture interface. So as to mitigate errors in the data, the following quality control procedures are to be followed:

- a) The visual condition is individually rated by two accredited assessors. The two data sets are then validated against each other with exceptions being re-assessed before a final data set is established
- b) An accuracy check is then done to establish logical exceptions between individual rating items e.g., check skid resistance rating against texture. Again, all exceptions are cross checked and corrected
- c) Logical check, e.g. area of patching exceeds roadway area
- d) Integrity check on inventory data
- e) Cross check of cracking with ACD data
- f) Panel Inspections to check the above and also to verify accuracy of the assessment in comparison with physical condition (refer 40.01 s))

Any inventory errors / additions noted during the field data collection operations will be corrected or added to the RAMS/GIS during this task. For electronic data exchange, the stipulations of Draft TMH 18 will apply

The rating and capture of visual condition data to the RAMS is to be completed within 8 weeks of the field work being concluded. Any emergency works identified by this exercise are to be escalated to the relevant management of the Employer

The unit of measurement to undertake this work will be a Carriageway/Km and shall include all costs for labour, materials, equipment, rating the pavement distress and data capture to the PMS, quality management and data verification/quality control as per points a) to e) above and all other necessary actions to undertake this task.

~~40.01 b) : Traffic Speed Deflectometer Device (TSDD)~~

~~Both normalized and raw deflection bowl data is to be captured to the RAMS within 4 weeks of completing the field work. Prior to the data capture, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Positioning checks~~
- ~~b) Check for non decreasing deflections, i.e. deflections do not decrease as distance from the load increases~~
- ~~c) Out of range deflections~~
- ~~d) Integrity check on inventory data, i.e. positive and negative direction corresponds to GPS~~
- ~~e) Cross check comparatively high (+97 percentile) and low (- 3 percentile) with the other data for the same (or closest) position e.g., visual condition images, crack detection, rutting etc.~~

~~The checks above are to be done on the 10m deflections and any "outlier" deflection bowls are to be discarded prior to the uploading of the data at 50m spacing. Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate. Deflection data is to be issued in excel format inclusive of required normalization(s), deflection bowl parameters and structural number calculations~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, capture and verification of the continuous deflection data, quality management, and all other necessary actions to undertake this task.~~

~~40.01 c) : Automated Crack Detection (ACD)~~

~~Automated crack detection imaging and raw data files are to be uploaded to the RAMS within 4 weeks of completing the fieldwork. Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Inventory data, i.e. positive and negative direction corresponds to GPS~~
- ~~b) Compare random selection (+/- 5%) of crack data with the visual condition as derived under 40.01 a)~~
- ~~c) Check for "false positives"~~
- ~~d) Logical checks~~

~~Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, capture and verification of the automated crack detection data, quality management, and all other necessary actions to undertake this task.~~

40.01 d) : Geometry

The road geometry, as gathered under 30.01 c) is to be uploaded to the RAMS within 4 weeks of completing the fieldwork.

Prior to the data being captured, the service provider's RAMS engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Compare random selection (+/- 5% of the geometry data) to scaled imaging
- c) Logical checks, e.g. the grade of the positive and negative sides of the road should be comparable

Refer to Draft TMH 13, Part B for additional requirements

Once the service provider's RAMS engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the geometry data, quality management, and all other necessary actions to undertake this task.

40.01 e) : Falling Weight Deflectometer (FWD)

Both normalized and raw deflection bowl data is to be captured to the RAMS within 4 weeks of completing the fieldwork. Prior to the data capture, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Confirmation of positional data integrity
- b) Review condition and other comments as noted during the field testing
- c) Check for non-decreasing deflections, i.e. deflections do not decrease as distance from the load increases
- d) Incomplete data
- e) Out of range deflections
- f) Integrity check on inventory data, i.e. positive and negative direction corresponds to GPS
- g) Load variations
- h) High deflection variation at same test point
- i) Deflection bowl "spikes"

- j) Cross check comparatively high (+97 percentile) and low (-3 percentile) with the other data for the same (or closest) position e.g., visual condition images, crack detection, rutting etc.

Refer to Draft TMH 13, Part F for additional requirements

Unlike continuous deflection data, FWD testing is widely spaced and, as such, the discarding of suspect test point(s) can create significant gaps in the data set. The RAMS pavement engineer should use engineering judgement to manually adjust erroneous data if possible. Where adjustment is not possible, the Employer may instruct that these sections are re-measured at the service provider's cost.

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate. Deflection data is to be issued in F25 and excel format, the latter inclusive of required normalization(s), deflection bowl parameters and structural number calculations

The unit of measurement to undertake data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, verification/analysis of the deflections, re-measurement of road sections with incomplete or non-compliant data, quality management, and all other necessary undertake this task.

40.01 f) : Continuous Digital Imaging (Standard)

Continuous "standard" digital imaging shall be uploaded to the RAMS within 4 weeks of completing the fieldwork.

Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Check images against other data source, e.g. ACD
- c) Compare random selection (+/- 5% of the images) to the visual condition as derived under 40.01 a)
- d) Check inventory details, e.g. road name/number, date, link/segment reference etc.

Refer to Draft TMH 13, Part G for additional requirements

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the images, quality management, and all other necessary actions to undertake this task.

~~40.01 g) : Continuous Digital Imaging (Quantitative)~~

~~Continuous quantitative digital imaging shall be uploaded to the RAMS within 4 weeks of completing the fieldwork.~~

~~Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source~~
- ~~b) Check scaled image geometry width etc. against the geometric characteristics under 40.01 d~~
- ~~c) Check images against other data source, e.g. ACD~~
- ~~d) Compare random selection (+/- 5% of the images) to the visual condition as derived under 40.01 a)~~
- ~~e) Check inventory details, e.g. road name/number, date, link/segment reference etc.~~

~~Refer to Draft TMH 13, Part C for additional requirements~~

~~Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the images, quality management, and all other necessary actions to undertake this task.~~

40.01 h) : IRI (International Roughness Index) – Class 1

The capture of Class 1 riding quality data to the RAMS is to be completed within 4 weeks of the data collection exercise

Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Review comments "flags" noted during the field work
- c) Cross check very poor and very good sections against imaging data
- d) Cross check against rutting and transverse profile data
- e) Cross reference roughness measurements with texture/friction data
- f) Compare random selection (+/- 5% of the riding quality results) to the visual condition as derived under 40.01 a)
- g) Check inventory details, e.g. road name/number, date, link/segment reference etc.

Refer to Draft TMH 13, Part C for additional requirements

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the riding quality data, quality management, and all other necessary actions to undertake this task.

40.01 i) : IRI (International Roughness Index) – Class 3

~~The capture of Class 3 surfaced riding quality data to the RAMS is to be completed within 4 weeks of the data collection exercise~~

~~Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source~~
- ~~b) Review comments "flags" noted during the field work~~
- ~~c) Cross check very poor and very good sections against imaging data~~
- ~~d) Cross check against rutting and transverse profile data~~
- ~~e) Cross reference roughness measurements with texture/friction data~~
- ~~f) Compare random selection (+/- 5% of the riding quality results) to the visual condition as derived under 40.01 a)~~
- ~~g) Check inventory details, e.g. road name/number, date, link/segment reference etc.~~

~~Refer to Draft TMH 13, Part C for additional requirements~~

~~Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the riding quality data, quality management, and all other necessary actions to undertake this task.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, taking the roughness measurements, calibration and verification costs plus other necessary items to undertake this task.~~

40.01 j): Wheel path Rutting

The capture of wheel path rutting data to the RAMS is to be completed within 4 weeks of the data collection exercise

Prior to the data being uploaded, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Review comments "flags" noted during the field work
- c) Compare left and right wheel path per lane for anomalies
- d) Cross check against riding quality data
- e) Logical checks on improbable data e.g. 0mm rut depth or rutting exceeding 200mm
- f) Compare random selection (+/- 5% of the wheel path rut results) to the visual condition (40.01 a)
- g) Check inventory details, e.g. road name/number, date, link/segment reference etc.

Refer to Draft TMH 13, Part D for additional requirements

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the rutting data, quality management, and all other necessary actions to undertake this task.

The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, measuring the wheel path rutting, calibration and verification costs plus other necessary items to undertake this task.

40.01 k) : Transverse Profile Rutting

The capture of wheel path rutting data to the RAMS is to be completed within 4 weeks of the data collection exercise

Prior to the data being uploaded, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Review comments "flags" noted during the field work
- c) Compare left and right wheel path against each other for anomalies
- d) Check the profile in wheel path versus profile between wheel path e.g. profile is not lower between wheel paths
- e) Cross check against riding quality data
- f) Logical checks on improbable data e.g. 0mm rut depth or rutting exceeding 200mm
- g) Compare random selection (+/- 5% of the profile and rutting results) to the visual condition as derived under 40.01 a)
- h) Check inventory details, e.g. road name/number, date, link/segment reference etc.

Refer to Draft TMH 13, Part D for additional requirements

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the full transverse rutting profile data, quality management, and all other necessary actions to undertake this task.

40.01 l): Macro Texture

Macro texture measurements shall be uploaded to the RAMS database within 4 weeks of the data collection for this item being concluded

Prior to the data being uploaded, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source
- b) Review comments "flags" noted during the field work
- c) Compare left and right wheel path texture and mean profile depth against each other for anomalies
- d) Cross check against imaging data and friction data
- e) Compare random selection (+/- 5% of texture results) to visual condition as derived under 40.01 a)
- f) Check inventory details, e.g. road name/number, date, link/segment reference etc.
- g) If required by the Employer, manual texture depth measurements will also be undertaken

Refer to Draft TMH 13, Part E for additional requirements

Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.

The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the macro texture data, quality management, and all other necessary actions to undertake this task. Should manual texture measurements be required, the service provider will claim payment under Section 60.01 a) to d) – this with prior approval. Manual texture measurements shall comply with the test method in SANS 3001 – BT11:2012.

Travel costs in excess of 50km and other subsistence costs – both pre-approved by the employer – are to be claimed under the appropriate pay item in Section 7000 of the Pricing Schedule of Rates.

~~40.01 m): Surface Friction Testing (Automatic)~~

~~The uploading of continuous surface friction testing is to be completed within 4 weeks of the field work for this item being concluded.~~

~~Prior to the data being uploaded, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source~~
- ~~b) Review comments "flags" noted during the field work~~
- ~~c) Compare with manual (pendulum test) data~~
- ~~d) Compare left and right wheel path for anomalies~~
- ~~e) Cross check against imaging data and macro texture data~~
- ~~f) Check inventory details, e.g. road name/number, date, link/segment reference etc.~~

~~Refer to Draft TMH 13, Part E for additional requirements~~

~~Once the service provider's RAMS pavement engineer is satisfied with the data integrity he/she will issue a data verification certificate.~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the macro texture data, quality management, and all other necessary actions to undertake this task.~~

~~40.01 n): Surface Friction Testing (Manual)~~

~~If manual friction testing data is undertaken this is to be captured to the RAMS within 4 weeks of the testing~~

~~being undertaken.~~

~~The unit of measurement will be a Test Point and shall include all costs for labour, materials, equipment and capturing the friction data~~

~~40.01 o) : Response Type Roughness Meter – Class 3~~

~~The capture of Class 3 un-surfaced road riding quality data to the RAMS is to be completed within 4 weeks of the data collection exercise~~

~~Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~a) Positioning cross checks of field co-ordinates with GIS and a secondary geo-spatial reference source~~
- ~~b) Review comments "flags" noted during the field work~~
- ~~c) Cross check very poor and very good sections against imaging data~~
- ~~d) Compare random selection (+/- 5% of the roughness measurements) to the visual condition as derived under 40.01 a)~~
- ~~e) Check inventory details, e.g. road name/number, date, link/segment reference etc.~~

~~Refer to Draft TMH 13, Part C for additional requirements~~

~~Once the service provider's RAMS engineer is satisfied with the data integrity he/she will issue a data verification certificate.~~

~~The unit of measurement to undertake the data analysis/verification is a Lane.Km and shall include all costs for labour, materials, equipment, upload and verification of the riding quality data, quality management, and all other necessary actions to undertake this task.~~

~~The unit of measurement to undertake this testing will be a Lane.Km and shall include all costs for labour, disbursements, materials, equipment, taking the roughness measurements, calibration and verification costs plus other necessary items to undertake this task.~~

~~40.01 p) : Walking Profiler~~

~~If profiling using a walking profiler is undertaken this is to be captured to the RAMS within 4 weeks of the testing being undertaken.~~

~~The unit of measurement will be a Lane.Km and shall include all costs for labour, materials, equipment and capturing the profile data as required~~

~~40.01 q) : Road Safety Assessments (IRAP or Similar)~~

~~The network level road safety field assessments are to be uploaded to the RAMS Road Safety Management module or to proprietary software as applicable. Prior to this, a quality audit shall be undertaken by the Road Safety Survey Project Manager on a random selection of 5% of the safety assessments to verify the original findings~~

~~The unit of measurement to undertake this task is a Lane.Km and shall include all costs for labour, materials, equipment, and capturing the safety assessment data~~

~~40.01 r) : Accident Statistics~~

~~Accident reports and pertinent statistics are to be uploaded to RAMS data base~~

~~The unit of measurement to undertake this task is per accident report and shall include all costs for labour, materials, equipment and data capture~~

40.01 s) : 10% Quality Control on Visual Condition Data

Service provider to appoint an independent assessor to assess a representative sample of all roads assessed. The representative sample will be at least 10% of the assessed network. The appointment of the independent assessor will require the approval of the Employer. The findings from the independent assessment will be presented to the Employer in a report. This report will highlight any concerns and possible calibration recommendations.

The unit of measurement for this item will be a sum and shall include all costs for labour, materials, equipment, upload and verification of the macro texture data, quality management, and all other necessary actions to undertake this task including establishment, accommodation and travel.

40.02 : Structures

40.02 a) : Bridge Structures

The visual condition data for the bridge structures network shall be captured to the BMS module of the RAMS directly from the field sheets (refer TMH 19 Parts A and B for requirements in this regard)

The same accredited bridge assessors who undertook the field work will be used to capture the data to the BMS

Any inventory errors / additions noted during the field data collection operations will be corrected or added to the RAMS/GIS during this task. For electronic data exchange, the stipulations of Draft TMH 18 will apply

The capture of visual condition data to the RAMS is to be completed within 8 weeks of the field work being concluded

The unit of measurement to undertake this testing will be the number of major structures and shall include all costs for labour, materials, equipment, rating the distresses, quality management and data verification/quality control

40.02 b) : Major Culvert Structures

The visual condition data for the major culvert structures network shall be captured to the BMS module of the RAMS directly from the field sheets (refer TMH 19 Parts A and B for requirements in this regard)

The same accredited bridge and/or major culvert inspectors who undertook the field work will be used to capture the data to the BMS

Any inventory errors / additions noted during the field data collection operations will be corrected or added to the RAMS/GIS during this task. For electronic data exchange, the stipulations of Draft TMH 18 will apply

The capture of condition data to the RAMS is to be completed within 8 weeks of field work being concluded

The unit of measurement to undertake this testing will be the number of minor structures and shall include all costs for labour, materials, equipment, rating the distresses, quality management and data verification/quality control

40.03 : Traffic

Traffic data obtained from the manual surveys is to be captured to the TMS of the RAMS.

Prior to the data being captured, the service provider's RAMS pavement engineer will undertake data integrity checks including, but not limited to:

- a) Positioning cross checks of traffic counting site
- b) Review comments “flags” noted during the field work
- c) Review of data submitted for compliance with requirements
- d) Undertake logical check that data is “reasonable”, e.g. % heavy vehicles does not exceed % light
- e) Data authentication

Draft TMH 3 provides specifications data quality management

The unit of measurement is the Sum and shall include full compensation for all labour, transport, materials, equipment, and any other actions necessary to undertake the analysis/validation and data capture of the traffic data. Payment will be made on receipt of acceptable data sets.

40.04 : Borrow Pit Management System Laboratory Results Analysis

~~A Provisional Sum has been included for the analysis and data capture of laboratory results emanating from the borrow pit and quarry field investigations under item 30.06.~~

~~RAMS pavement engineer will undertake data integrity checks including, but not limited to:~~

- ~~• Positional cross check of the borrow pit / quarry co-ordinates with GIS~~
- ~~• Check contradictory test results~~
- ~~• Check that the field work has been undertaken in terms of the specifications~~

~~Once the service provider's RAMS engineer is satisfied with the data integrity he/she will issue a data verification certificate. Following the data verification, an analysis of the laboratory results shall be undertaken with the following outputs being required:~~

- ~~a) Co-ordinated Borrow Pit / Quarry diagram~~
- ~~b) Quantity of material remaining in the source~~
- ~~c) Type and quality of material~~

~~The above, in addition to the actual test results, shall be captured to the BPMS module of the RAMS. Expenditure under this item shall only be undertaken on written instruction of the Employer~~

5000: REPORTING

50.01 : Road Network

50.01 a) : Flexible Surfaced Road Network

Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the surfaced road network condition. The report will discuss, inter alia, current condition, deterioration, trends, maintenance and rehabilitation strategies/plans, optimization analysis, and prioritization of maintenance and rehabilitation actions, budget needs versus budget allocations, emergency interventions and improvement projects.

The report will include current unit rates and validate the planned budget expenditure illustrating how proposed rehabilitation and maintenance plans will improve the condition of the surfaced road network and mitigate risk. The content of the annual Surfaced Road Network Report will include, but not limited to:

- Executive Summary
- Introduction and Terms of Reference
- Inventory Data
- Inspections Undertaken
- Discussion on Inspections and Quality Control Procedures
- Instrument/Automated Surveys Undertaken
- Discussion on Instrument/Automated Surveys and Quality Control Procedures
- Detailed Discussion on results of Instrument/Automated Survey
 - Deflection (TSDD and/or FWD)
 - Crack Detection
 - Riding Quality
 - Rutting
 - Texture
 - Friction
 - Geometry
- Inspection Results in terms of Condition Index, Prevalent Modes of Distress and Trends
- Prioritisation and Optimization Analysis
- Discussion on Identified Remedial Interventions and Trends
- Summary of Maintenance/Rehabilitation/Improvement Needs
- Economic Analysis and Budgetary Requirements
- Asset Register
- Proposed Emergency Projects
- Critical Route Identification
- Special Inspections Required
- Future Surfaced Road Network Inspections

Appendix A: Surface Road Inventory and Updates

Appendix B: Photographs

Appendix C: Priority Listings

Appendix D: Optimisation Results

Appendix E: Remedial Intervention Algorithms and Indices Calculations

Appendix F: Repair Measure Listings: Routine Maintenance

Appendix G: Repair Measure Listings: Periodic Maintenance

Appendix H: Repair Measure Listings: Special Maintenance

Appendix I: Repair Measure Listings: Rehabilitation and Improvement

Appendix J: Budgets and Economic Analysis

Appendix K: Asset Register

Appendix L: Emergency Interventions

Appendix M: Specialist Inspections

Appendix N: Future Inspections

Appendix O: Panel Inspection and Quality Control

Appendix P: GIS Maps indicating Condition and Remedial Action Requirements

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

50.01 b) : Unsurfaced Road Network

Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the unsurfaced road network condition. The report will discuss, inter alia, current condition, deterioration, trends, maintenance/rehabilitation and upgrading strategies/plans, prioritization of maintenance and rehabilitation actions, budget needs versus budget allocations and emergency interventions. The report will include updated unit rates and validate the planned budget expenditure and illustrate how the proposed rehabilitation, maintenance and upgrading plans will improve the overall condition of the unsurfaced road network and mitigate risks.

The minimum content of the annual Unsurfaced Road Network Report will include, but not limited to the following:

- Executive Summary
- Introduction and Terms of Reference
- Inventory Data
- Inspections Undertaken
- Discussion on Inspections and Quality Control Procedures
- Instrument/Automated Surveys Undertaken
- Discussion on Instrument/Automated Surveys and Quality Control Procedures
- Detailed Discussion on results of Instrument/Automated Survey
 - Riding Quality
 - Geometry (Long and transverse profile)
- Inspection Results in terms of Condition Indices and Trends
- Prioritisation Analysis
- Discussion on Identified Remedial Interventions and Trends
- Summary of Maintenance/Rehabilitation/Improvement Needs
- Economic Analysis and Budgetary Requirements
- Asset Register
- Proposed Emergency Projects
- Critical Route Identification
- Special Inspections Required
- Future Unsurfaced Road Network Inspections

Appendix A: Unsurfaced Road Inventory and Updates

Appendix B: Photographs

Appendix C: Priority Listings

Appendix D: Remedial Intervention Algorithms and Indices Calculations

Appendix E: Repair Measure Listings: Routine Maintenance

Appendix F: Repair Measure Listings: Periodic Maintenance

Appendix G: Repair Measure Listings: Special Maintenance

Appendix H: Repair Measure Listings: Rehabilitation and Improvement

Appendix I: Budgets and Economic Analysis

Appendix J: Asset Register

Appendix K: Emergency Interventions

Appendix L: Specialist Inspections

Appendix M: Future Inspections

Appendix N: Panel Inspection and Quality Control

Appendix O: GIS Maps indicating Condition and Remedial Action Requirements

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

~~50.01 c) : Rigid (Concrete) Road Network~~

~~Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the concrete road network condition. The report will discuss, inter alia, current condition, deterioration, trends, maintenance/rehabilitation strategies/plans, prioritization and optimization of maintenance and rehabilitation actions, budget needs versus budget allocations and emergency interventions. The report will include updated unit rates, validate the planned~~

~~budget expenditure and illustrate how the proposed rehabilitation and maintenance plans will improve the overall condition of the concrete road network and mitigate risks.~~

~~The minimum content of the annual Concrete Road Network Report will include, but not limited to the following:~~

- ~~• Executive Summary~~
- ~~• Introduction and Terms of Reference~~
- ~~• Inventory Data~~
- ~~• Inspections Undertaken~~
- ~~• Discussion on Inspections and Quality Control Procedures~~
- ~~• Instrument/Automated Surveys Undertaken~~
- ~~• Discussion on Instrument/Automated Surveys and Quality Control Procedures~~
- ~~• Detailed Discussion on results of Instrument/Automated Survey
 - ~~— Deflection (TSDD and/or FWD)~~
 - ~~— Crack Detection~~
 - ~~— Riding Quality~~
 - ~~— Texture~~
 - ~~— Friction~~
 - ~~— Geometry~~~~
- ~~• Inspection Results in terms of Condition Indices and Trends~~
- ~~• Prioritisation and Optimization Analysis~~
- ~~• Discussion on Identified Remedial Interventions and Trends~~
- ~~• Summary of Maintenance/Rehabilitation/Improvement Needs~~
- ~~• Economic Analysis and Budgetary Requirements~~
- ~~• Asset Register~~
- ~~• Proposed Emergency Projects~~
- ~~• Critical Route Identification~~
- ~~• Special Inspections Required~~
- ~~• Future Unsurfaced Road Network Inspections~~

~~Appendix A: Concrete Road Inventory and Updates~~

~~Appendix B: Photographs~~

~~Appendix C: Priority Listings~~

~~Appendix D: Remedial Intervention Algorithms and Indices Calculations~~

~~Appendix E: Repair Measure Listings : Routine Maintenance~~

~~Appendix F: Repair Measure Listings : Periodic Maintenance~~

~~Appendix G: Repair Measure Listings : Special Maintenance~~

~~Appendix H: Repair Measure Listings : Rehabilitation and Improvement~~

~~Appendix I: Budgets and Economic Analysis~~

~~Appendix J: Asset Register~~

~~Appendix K: Emergency Interventions~~

~~Appendix L: Specialist Inspections~~

~~Appendix M: Future Inspections~~

~~Appendix N: Panel Inspection and Quality Control~~

~~Appendix O: GIS Maps indicating Condition and Remedial Action Requirements~~

~~The unit of measurement to undertake this reporting will be a lump sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.~~

50.01 d) : Semi-Rigid (Block Paved) Road Network

Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the block paved road network condition. The report will discuss, inter alia, current condition, deterioration, trends, maintenance/rehabilitation strategies/plans, prioritization and optimization of maintenance and rehabilitation actions, budget needs versus budget allocations and emergency interventions. The report will include updated unit rates and validate the planned budget expenditure in support of the proposed rehabilitation and maintenance plans for improvement of the overall condition of the semi-rigid road network.

The minimum content of the annual Block Paved Road Network Report will include, but not limited to the following:

- Executive Summary
- Introduction and Terms of Reference
- Inventory Data
- Inspections Undertaken
- Discussion on Inspections and Quality Control Procedures
- Instrument/Automated Surveys Undertaken
- Discussion on Instrument/Automated Surveys and Quality Control Procedures
- Detailed Discussion on results of Instrument/Automated Survey
 - Deflection (TSDD and/or FWD)
 - Riding Quality
 - Texture
 - Friction
 - Geometry
- Inspection Results in terms of Condition Indices and Trends
- Prioritisation and Optimization Analysis
- Discussion on Identified Remedial Interventions and Trends
- Summary of Maintenance/Rehabilitation/Improvement Needs
- Budgeting and Economic Analysis
- Asset Register
- Proposed Emergency Projects
- Critical Route Identification
- Special Inspections Required
- Future Unsurfaced Road Network Inspections

Appendix A: Block Paved Road Inventory and Updates

Appendix B: Photographs

Appendix C: Priority Listings

Appendix D: Remedial Intervention Algorithms and Indices Calculations

Appendix E: Repair Measure Listings: Routine Maintenance

Appendix F: Repair Measure Listings: Periodic Maintenance

Appendix G: Repair Measure Listings: Special Maintenance

Appendix H: Repair Measure Listings: Rehabilitation and Improvement

Appendix I: Budgets

Appendix J: Asset Register

Appendix K: Emergency Interventions

Appendix L: Specialist Inspections

Appendix M: Future Inspections

Appendix N: Panel Inspection and Quality Control

Appendix O: GIS Maps indicating Condition and Remedial Action Requirements

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

50.01 e) : Safety Assessments

Upon completion of the safety assessment data acquisition, data verification and uploading of the data to the RAMS, a network report is to be prepared on the status quo of the road network in terms of safety.

The report will discuss, inter alia, current condition, trends, safety intervention strategies, costs and emergency projects. The report will validate the safety audit procedures and illustrate how the assessments will improve road safety and mitigate risks

The minimum content of the Road Safety Assessment Network Report will include, but not necessarily be limited to the following:

- Executive Summary
- Introduction and Terms of Reference
- Inspections Undertaken
- Methodology
- Discussion on Inspections and Quality Control Procedures
- Discussion on Network Attributes and Snapshot
- Inspection Results in Terms Safety Ratings
- GIS Maps illustrating Safety Ratings per Road Link
- Discussion on Identified Remedial Interventions and Trends
- Proposed Emergency Projects
- Critical Route Identification
- Special Inspections Required
- Future Safety Audits

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

50.01 f) : Accident Reports

The individual accident reports are to be collated and condensed into a single network report which will report on accident statistics. The contents of the report will include:

- Executive Summary
- Introduction and Terms of Reference
- Accident Statistics in terms of:
 - Motor vehicle accidents
 - Pedestrian accidents
 - Animal related accidents
 - Injuries / fatalities
 - Time of accidents (day, night, weekdays, weekends etc.)
 - Location
- GIS Maps illustrating Accident positions

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

50.02 : Structures

Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS, a network report is to be prepared on the status quo of the bridge and major culvert structures. The report will discuss, inter alia, current condition, deterioration, trends, maintenance and rehabilitation strategies/plans, prioritization of maintenance and rehabilitation actions, budget needs versus budget allocations, emergency interventions and improvement projects. The report will validate the planned budget expenditure and illustrate how the proposed rehabilitation and maintenance plans will improve the overall condition of the structures network and mitigate potential risks.

The minimum content of the annual Bridge Network Report will include, but not limited to the following:

- Executive Summary
- Introduction and Terms of Reference
- Structures Inspected
- Discussion on Inspections and Quality Control Procedures
- Inventory Data and Asset Register
- Inspection Results in terms of VCI
- Summary of Maintenance/Rehabilitation/Improvement Needs
- Budgeting Summary
- Proposed Emergency Bridge Repair Projects
- Special Inspections Required

- Future Bridge Inspections

Appendix A: Structures Asset Register
 Appendix B: Structures Inventory
 Appendix C: Photographs
 Appendix D: Priority Listings
 Appendix E: Repair Measure Listings: Routine Maintenance
 Appendix F: Repair Measure Listings: Periodic Maintenance
 Appendix G: Repair Measure Listings: Special Maintenance
 Appendix H: Repair Measure Listings: Rehabilitation and Improvement
 Appendix I: Current and Required Budgets
 Appendix J: Emergency Interventions
 Appendix K: Specialist Inspections
 Appendix L: Future Inspections
 Appendix M: GIS Maps of Structures

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.

50.03 : Traffic

Upon completion of data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the road network in terms of traffic use. The report will discuss current traffic volumes, growth and reduction trends, axle loading, overloading and proposals to ensure that the road network will have adequate capacity in terms of level of service, geometrics and pavement structure.

The minimum content of the annual Traffic Network Report will include, but not limited to the following:

- Executive Summary
- Introduction and Terms of Reference
- Selection of Counting Stations
- Traffic Counts
- Quality Control
- Traffic Volumes and Trends
- Heavy Vehicle Volume and Trends
- Heavy Vehicle Loading and Trends
- Traffic Growth / Reduction
- Discussion of Critical Routes
- Capacity Analysis
- Conclusions and Recommendations

Appendix A: Traffic Counting Stations
 Appendix C: Photographs
 Appendix D: Detailed Total Traffic Statistics
 Appendix E: Detailed Heavy Vehicle Traffic Statistics
 Appendix F: Road Link Volumes
 Appendix G: Volume / Capacity Ratio
 Appendix H: Listing of Road Links by Total Traffic and Heavy Traffic Volumes
 Appendix I: GIS Maps Illustrating Link Volumes
 Appendix J: Listing of Routes by Total Traffic and Heavy Traffic Volumes
 Appendix K: GIS Maps Illustrating Route Volumes

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD in both *.pdf and *.doc format and presenting the report to the Employer as instructed.

50.04 : Borrow Pit Materials Management

~~Upon completion of field work, materials testing, test result verification and uploading of the data to the RAMS~~

~~BPMMS, a network report is to be prepared on the status quo of the Employer's borrow pits and quarries. The report will discuss, inter alia, number and location of borrow pits and hard rock quarries, DME and DEAT licensing, laboratory test results, material type, quantity and quality, materials usage, new borrow pit / quarries identified and borrow pits / quarries to be closed together with rehabilitation plans~~

~~The minimum content of the annual Borrow Pit Management Report will include, but not be limited to the following:~~

- ~~• Executive Summary~~
- ~~• Introduction and Terms of Reference~~
- ~~• Borrow Pits Investigated~~
- ~~• Quarries Investigated~~
- ~~• Compliance Issues (DME and DEAT)~~
- ~~• Discussion on field sampling~~
- ~~• Discussion on laboratory testing and quality control~~
- ~~• Quality, Quantity and Type of Materials~~
- ~~• Usage~~
- ~~• New Materials Sources~~
- ~~• Closure and Rehabilitation of Existing Borrow Pits and Quarries~~
- ~~• GIS Maps~~
- ~~• Laboratory Test Results~~
- ~~• Discussion of rehabilitation requirements~~

~~The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, compiling the report, printing 5 paper copies, 2 electronic copies on CD, and presenting the report to the Employer as instructed.~~

50.05 : RAMS Asset Register and RAMP

Upon completion of the FULL data acquisition, data analysis, data verification and uploading of the data to the RAMS a network report is to be prepared on the status quo of the Road Network Asset Register. The report will be comprehensive and fully compliant with the GRAP 17 stipulations and will report on, inter alia, current component valuation, replacement cost, valuation/replacement ratios, discount rates and net present values, valuation trends and other statistics as required.

In addition to the above, the employer's annual road asset management plan report is also to be compiled.

The unit of measurement to undertake this reporting will be a lump Sum and shall include all costs for labour, materials, equipment, disbursements, travel, liaison with the Employers financial staff, compiling the reports, printing 5 paper copies of each report, 2 electronic copies of each report on CD in both *.pdf and *.doc format and presenting the reports to the Employer as instructed.

6000: ADDITIONAL SERVICES

60.01 : Attend Meetings

Project meetings shall be held monthly at the Employers offices in the Fezile Dabi District (Venue rotates between local municipalities). The unit of measurement to attend these regular meetings will be the cost per meeting and shall include all costs for labour, materials, equipment, disbursements, travel, catering, compiling of the meeting agenda, preparing Minutes and circulating such. Number of attendees from the employer and the Local Municipalities within the District will not exceed 16 people. All of the Service Provider's Key Persons (except the bridge / culvert inspector's and the paved / unpaved roads assessors), as listed in the Contract Data, are required to attend these meetings. One quarterly meeting shall be held quarterly rotated between District Municipalities as informed by National Department of Transport. Number of attendees attending the Free State quarterly meeting will not exceed 40 people.

Attendance at meetings in addition to the above can be claimed for under payment item 60.02 (a to d) and 70.01/70.02 as appropriate. Expenditure for additional meetings shall only be undertaken on written approval of the Employer.

60.02 a): Ad-hoc Support : Category A Staff

Ad-hoc support may be required periodically from the Service Provider. The unit of measurement is the hour of time spent on such services by Category A staff (as defined in the Engineering Profession Act (46/2000)) and shall cover all labour costs for time actually spent on the provision of the "ad-hoc" service. Payment for time spent travelling will not be made, but the costs of such travel and disbursements can be claimed under payment item 70.01/70.02 if approved by the Employer.

60.02 b): Ad-hoc Support : Category B Staff

Ad-hoc support may be required periodically from the Service Provider. The unit of measurement is the hour of time spent on such services by Category B staff (as defined in the Engineering Profession Act (46/2000)) and shall cover all labour costs for time actually spent on the provision of the "ad-hoc" service. Payment for time spent travelling will not be made, but the costs of such travel and disbursements can be claimed under payment item 70.01/70.02 if approved by the Employer.

60.02 c): Ad-hoc support : Category C Staff

Ad-hoc support may be required periodically from the Service Provider. The unit of measurement is the hour of time spent on such services by Category C staff (as defined in the Engineering Profession Act (46/2000)) and shall cover all labour costs for time actually spent on the provision of the "ad-hoc" service. Payment for time spent travelling will not be made, but the costs of such travel and disbursements can be claimed under payment item 70.01/70.02 if approved by the Employer.

60.02 d): Ad-hoc support : Category D Staff

Ad-hoc support may be required periodically from the Service Provider. The unit of measurement is the hour of time spent on such services by Category D staff (as defined in the Engineering Profession Act (46/2000)) and shall cover all labour costs for time actually spent on the provision of the "ad-hoc" service. Payment for time spent travelling will not be made, but the costs of such travel and disbursements can be claimed under payment item 70.01/70.02 if approved by the Employer.

60.03: Strategic Support

This task will involve all activities associated with reviewing and assessing RAMS operations of data collection, evaluation, interpretation and decision support at a high level to maximize the cost / benefit of the system and the appropriateness of the information generated. The Service Provider will provide advice at strategic level in terms of improving the RAMS capabilities and operational effectiveness and will be responsible for reviewing annual reports for institutional and legislative compliance. Compiling tender specifications for the next cycle, 3 months before the end of contract will also form part of this item in the last cycle.

60.04: Training and Skills Transfer

In addition to ad-hoc informal training provided during the various data collection activities, assessments and data analysis operations, the Service Provider will facilitate and manage formal training sessions for the Employers staff and students identified by the Employer.

The training sessions will be held at least once per year and will include, inter alia, the following topics:

- COTO TMH9 : Manual for Visual Assessments (flexible, rigid, semi-rigid and un-surfaced roads)
- COTO TMH22 : Road Asset Management Manual
- COTO TMH19 : Manual for the Visual Inspection of Road Structures (Part A and B)
- COTO TMH3 and TMH8 : Manuals for Traffic Monitoring
- COTO TMH18 : Manual for Road Asset Data Electronic Exchange Formats

The training programme must include theoretical and practical sessions and, for the road and structures assessment training, include formal testing for accreditation purposes.

In addition to the above, workshops will be arranged to familiarize the Employers staff and designated students with the various RAMS program systems and sub-systems

A Provisional Sum has been included for training /skills transfer and the Service Provider will submit a detailed 3 year training plan, together with costs, for approval within 6 weeks of appointment.

7000: DISBURSEMENTS

70.01 : Travel

Travelling costs are only payable where the individual pay item description allows for such. The unit of measurement is the vehicle kilometre and shall include for all costs associated with the travel. Travelling by other means (air, rail etc.) will be for the Service Providers cost. Expenditure under this item is to be approved by the Employer. Travel will only be paid for trip originating from a town within Fezile Dabi District Municipality, thus it is assumed the service provider will have an office within Fezile Dabi District Municipality.

70.02 : Accommodation

Accommodation costs are only payable where the individual pay item description allows for such. The unit of measurement is the person night and shall include for all accommodation costs including meals and any other subsistence expenses. Expenditure under this item is to be approved by the Employer.

• **END -**