



# Road Traffic Management Corporation

**SUPPLY, DELIVERY AND MAINTENANCE OF  
MOBILE VEHICLE TESTING STATIONS FOR  
A PERIOD OF THREE YEARS (3) WITH AN  
OPTION TO EXTEND RTMC BID NO:  
19/2019/20**



## SECTION: 1

# **CONDITIONS AND UNDERTAKINGS BY BIDDER IN RESPECT OF THIS BID**

## CONDITIONS AND UNDERTAKINGS BY BIDDER IN RESPECT OF THIS BID

### 1. Proprietary Information

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Road Traffic Management Corporation (RTMC) considers this bid and all related information, either written or verbal, which is provided to the bidder, to be proprietary to RTMC. It shall be kept confidential by the bidder and its officers, employees, agents and representatives. The bidder shall not disclose, publish, or advertise this specification or related information to any third party without the prior written consent of RTMC.

### 2. Enquiries

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- 2.1 All communication and attempts to solicit information of any kind relative to this bid should be channelled to the email below, however such enquiries will be entertained within ten (10) days after publication on the tender bulletin and National Treasury tender portal.

Name	RTMC
Email Address	<a href="mailto:Bidadmin@rtmc.co.za">Bidadmin@rtmc.co.za</a>

- 2.2 All the documentation submitted in response to this bid must be in English.
- 2.3 The RTMC may respond to any enquiry in its sole discretion and the bidder acknowledges that it will have no claim against the RTMC on the basis that its bid was disadvantaged by lack of information, or inability to resolve ambiguities.

### 3. Validity Period

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Responses to this bid received from bidders will be valid for a period of **120 days** counted from the closing date of the bid.

### 4. Supplier Performance Management

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- 4.1 Supplier Performance Management is viewed by the RTMC as critical component in ensuring value for money acquisition and good supplier relations between the RTMC and all its suppliers.
- 4.2 The successful bidder shall upon receipt of written notification of an award, be required to conclude a Service Level Agreement (SLA) with the RTMC, which will form an

integral part of the agreement. The SLA will serve as a tool to measure, monitor and assess the supplier's performance level and ensure effective delivery of service, quality and value-add to RTMC business.

## **5. Instructions on submission of Bids**

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- 5.1 Bids should be submitted in **Five (5) copies (1 original and 4 copies, failure to comply will result to disqualification of bid)** and all bound in a sealed envelope endorsed, **RTMC BID 19/2019/20: Supply, delivery and maintenance of mobile vehicle testing stations for a period of three years (3) with an option to extend**
- 5.2 **Closing date and time of the Bid**
- The sealed envelope must be placed in the bid box at the Main Reception area of the RTMC Building, **Eco-Origin Office Park, Block F, 349 Witch-Hazel Street, Highveld Ext 79, Centurion** by no later than **11:00 AM on 05 November 2019**.
- 5.3 **Compulsory Briefing session**
- **Compulsory Briefing session will be held on the 18 October 2019 at 14h00.**
  - **Venue: RTMC Building, Eco-Origin Office Park, Block F, 349 Witch-Hazel Street, Highveld Ext 79, Centurion, wherein a briefing session certificate will be issued to bidders who would have attended the briefing session.**
- NB: The mentioned certificate must be attached on the bid document upon submission of the bid (failing which will invalidate the bid)**
- 5.4 The bidder's company name, closing date and the return address must also be endorsed on the envelope.
- 5.5 All bids submitted must be signed by a person or persons duly authorised thereto.
- 5.6 If a courier service company is being used for delivery of the bid document, the bid description must be endorsed on the delivery note/courier packaging to ensure that documents are delivered into the bid box. The RTMC will not be held responsible for any delays where documents are not placed in the bid box before closing time.
- 5.7 Bid received by email, facsimile or similar medium will not be considered.

- 5.8 Where a bid document is not placed in the bid box at the time of the bid closing, such a bid document will be regarded as a late bid. **Late bids will not be considered.**
- 5.9 Amended bids may be sent in an envelope marked “**Amendment to Bid**” and should be placed in the bid box before the closing time.
- 5.10 Bidders should check the numbers of the pages to satisfy themselves that none is missing or duplicated. No liability will be accepted by RTMC about anything arising from the fact that pages are missing or duplicated.

## **6. Undertakings by the Bidder**

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- 6.1 The bidder accepts that all costs incurred in preparation, presentation and any demonstration in relation to this bid shall be for the account of the bidder.
- 6.2 The bidder hereby offer to render all or any of the services described in the attached documents to the RTMC on the terms and conditions and in accordance with the specifications stipulated in this bid documents (and which shall be taken as part of, and incorporated into, this proposal at the prices inserted therein).
- 6.3 The bidder shall prepare for a possible presentation should RTMC require such and the bidder shall be notified thereof no later than 4 (four) days before the actual presentation date. Such presentation may include demonstration of products or services as called for by the RTMC in relation to this bid.
- 6.4 The successful bidder hereby accepts full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on him/her under this agreement as the principal(s) liable for the due fulfilment of this contract.
- 6.5 The bidder furthermore confirm that he/she has satisfied himself/herself as to the correctness and validity of his/her bid response that the price(s) and rate(s) quoted cover all the work/item(s) specified in the bid response documents and that the price(s) and rate(s) cover all his/her obligations under a resulting contract and that he/she accept that any mistakes regarding price(s) and calculations will be at his/her risk

## **7. RTMC's Rights**

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- 7.1 The RTMC reserves the right not to accept the lowest bid or any bid in part or in whole. RTMC normally awards the contract to the bidder who proves to be fully capable of handling the contract and whose bid is technically acceptable and/or financially advantageous to the RTMC.
- 7.2 The RTMC also reserves the right to award this bid as a whole or in part without furnishing reasons.
- 7.3 The RTMC reserves the right to conduct a site visit at the premises of the offices or at any client sites if so required.
- 7.4 The RTMC reserves a right to amend any bid conditions, validity period, specifications, or extend the closing date of bid prior to the initially stated closing date. Bidders will be advised in writing of such amendments in good time.
- 7.5 The RTMC reserves the right to request all relevant information, agreements and other documents to verify information supplied in the bid response. The bidder hereby gives consent to the RTMC to conduct background checks on the bidding entity and any of its directors/trustees/shareholders/members.

## **8. Supplier Development and Promotion of Emerging Black Owned Service Provider**

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- 8.1 The RTMC promotes enterprise development in this regard, successful bidders are encouraged to mentor SMME's and/or Youth owned businesses. The implications of such arrangement will be subject to negotiations between the RTMC and the successful bidder.
- 8.2 It is also the objective of the RTMC to promote transformation of the South African economy and as such, bidders are encouraged to partner with a black owned entity (being 50%+1 black owned and controlled). Such partnership may include the formation of a Joint Venture and/ or subcontracting agreement etc. where a portion of the work under this bid would be undertaken by black owned entities

- 8.3** To give effect to this requirement, bidders are required to submit a partnership/ subcontracting proposal detailing the portion of work to be outsourced, level of involvement of the black owned partner and where relevant, submit a consolidated B-BBEE scorecard in-line with the provisions of the PPPFA Regulations, which will be considered as part of the B-BBEE scoring.

## **9. Bidders Details and Contact Person**

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<b>DETAILS OF BIDDERS</b>			
<b>Name of your Company</b> (in block letters)			
<b>Signature(s) of the Bidder</b> or assignee(s)		<b>Date</b>	
<b>Name of person signing</b> (in block letters)			
<b>Capacity</b>			
<b>Are you duly authorized to sign this Bid?</b>			
<b>Company Registration Number</b>			
<b>VAT Registration Number</b>			
<b>Postal address</b> (in block letters)			



Physical address  (in block letters)	
Domicilium citandi et executandi in the RSA (full street address) (in block letters)	

DETAILS OF THE CONTACT PERSON	
Name of Contact  Person	
Telephone Number	
Fax Number	
Cellphone Number	
E-Mail Address	

## 10. RESPONSE FORMAT

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Bidders shall submit their responses in accordance with the response format specified below (each schedule must be clearly marked):

### 10.1 Cover Page:

10.1.1 The cover page must clearly indicate the bid reference number, bid description and the bidder's name

10.1.2 **Annexure 1** Invitation to Bid (SBD 1 - duly completed and signed)

### 10.2 Schedule 1:

10.2.1 Executive summary of the bidder's Company/Joint Venture/Partnership/Close Corporation. (Agreements/ supporting documentation must be attached, and any amendments post award should be approved by RTMC)

10.2.2 **Annexure 2** of this bid document (Duly completed and Signed)

**10.3 Schedule 2:**

10.3.1 **Annexure 4** Declaration of Interest (SDB 4)

10.3.2 **Annexure 5** Declaration of Bidders Past SCM Practices (SBD 8)

10.3.3 **Annexure 6** Certificate of Independent Bid Determination (SBD 9)

10.3.4 **Annexure 7** Joint Venture/Consortium Agreement (In case of Consortium or Joint Venture)

10.3.5 **Note: Where bidders form a Consortium or a Joint Venture, bidders must submit all documents as listed under Schedule 2 above for each party to the Consortium or Joint Venture. Failure to comply with the above will result in disqualification of the bid.**

**10.4 Schedule 3:**

10.4.1 Responses to **Section Two** of this document, in line with the format indicated in this bid document.

**10.5 Schedule 4:**

10.5.1 A detailed pricing schedule breakdown for the bid including any supporting schedules on price determination. **The price schedule must be submitted on a separate sealed envelope. Failure to comply with the above will result in disqualification of the bid.**

10.5.2 **Annexure 7** Price Schedule Summary (SBD 3.3)

10.5.3 **Annexure 8** Preferential Point Claim (SBD 6.1) and B-BBEE Certificate

**11. SPECIAL INSTRUCTIONS TO BIDDERS**

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**11.1** Bidders shall provide full and accurate answers to the questions posed in this document.

**11.2** Bidders **must** substantiate their response to all questions, including full details on how their proposal/solution will address specific functional/technical requirements. All documents as indicated must be supplied as part of the bid response.

**11.3** RTMC reserves the right to appoint more than one service provider in order to ensure prompt delivery and efficiency of the service.

## **12. EVALUATION CRITERIA**

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The bid will be evaluated on a three-stage process. Stage 1 will be on mandatory requirements; Stage 2 will be on Functionality and Stage 3 will be on 90/10 Preference Point System (i.e. Price and B-BBEE).

### **(1) Stage 1 – Mandatory requirements**

- The stage is made out of variables that the bidders must comply fully without any form of deviation.
- Bidders who fail to meet the mandatory requirements will be disqualified from further evaluation.

### **(2) Stage 2 – Functionality Evaluation**

- **The stage is about determining the ability of the bidder to execute the contract.**
- A two-step approach will be used as part of functional evaluation, namely;
  - ✓ **Step 1** : Will be on sets of requirements which the bidder must respond to with supporting documents in order to qualify for points which totals **60 points**.
  - ✓ Bidders will be required to score a minimum of **40 points** from this step-in order to be eligible for the next step of functional evaluation.
- **Step 2** : Only shortlisted bidders from step1 will be invited to participate on this step.
  - ✓ This will be in a form of presentations and immediately followed by site inspection/walk about (This exercise will take place at the premises of the bidder and a total of 40 **points** has been allocated for this step).
  - ✓ Bidders are expected to score a minimum of **30 points on this step**.

- **Minimum qualification for functionality:** Bidders are required to score least **70 points** on functional evaluation in order to qualify for stage 3.

### (3) Stage 3 – Price and Preference Points Evaluation

Stage 3 will be evaluated on 90/10 Preference Point System (i.e. 90 points on Price and 10 points on B-BBEE).

## 12.1 MANDATORY REQUIREMENTS

MANDATORY REQUIREMENT (1)	Comply (Yes / No)
<p>Bidders must be registered on National Treasury Central Supplier Data base (CSD)</p> <p>Registration on CSD (available on <a href="http://www.csd.gov.za">www.csd.gov.za</a>)</p> <p>Tumelo Ntlaba - 012 406 9222</p> <p>Email: <a href="mailto:CSD@Treasury.gov.za">CSD@Treasury.gov.za</a></p> <p>Requirement: CSD report or reference number</p> <p><b>NB: Where bidders form a Consortium or a Joint Venture, each bidder must submit CSD number for each party to the Consortium or Joint Venture. Failure to comply with the above will result in disqualification of the bid</b></p>	
MANDATORY REQUIREMENT (2)	Comply (Yes/ N0)
<p>Bidders must sign all SBD bidding forms attached</p> <p><b>Compliance requirement:</b> Signed and completed SBD forms.</p> <p><b>NB: Where bidders form a Consortium or a Joint Venture, each bidder must submit all documents as listed for each party to the Consortium or Joint Venture. Failure to comply with the above will result in disqualification of the bid.</b></p> <p><b>NB: SBD3.3 may be completed however must be included in the financial envelope.</b></p>	

MANDATORY REQUIREMENT (3)	Comply (Yes / No)
<p>Submission of signed Briefing Certificate issued by RTMC as proof of attendance of mandatory briefing session. (In case of joint venture etc briefing session certificate from any party that attended the briefing session will suffice)</p>	
MANDATORY REQUIREMENT (4)	Comply (Yes / No)
<p><b>Expert Evidence</b></p> <p>The service provider must be prepared to give expert evidence in a Court of law or any other matter as requested on behalf of the Corporation regarding the mobile vehicle testing station at no additional cost for the duration of the contract</p> <p><b>Compliance requirement:</b></p> <p>Letter confirming that service provider will avail a technical expert to support RTMC in court proceedings or any other matter as and when required.</p>	
MANDATORY REQUIREMENT (5)	Comply (Yes / No)
<p><b>Accreditation and approval</b></p> <p>The service provider must support and assist the RTMC to ensure that all equipment procured/supplied are accredited by all relevant agencies/ authorities.</p> <p><b>Compliance requirement:</b></p> <p>A signed letter of undertaking confirming that the service provider will support and assist the RTMC to comply with the accreditation of all relevant agencies/authorities with respect to equipment used for law enforcement</p>	
MANDATORY REQUIREMENT (6)	Comply (Yes / No)

<p><b>COMPULSORY SUBCONTRACTING</b></p> <p>Bidders are required to subcontract at least 30% of the value of the contract to an Emerging Micro Enterprise (EME) or Qualifying Small Enterprise (QSE) which is least 51% owned by black people as per Regulation 9 of PPPFA 2017.</p> <p><b>Compliance requirement:</b></p> <p>Bidders are required to submit a letter of undertaking to confirm commitment and acceptance of the stated condition and by indicating YES or NO and append signature on the YES or NO column</p>	
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**NOTE: A BIDDER WHO FAILS TO MEET THE ABOVE MANDATORY REQUIREMENT WILL BE DISQUALIFIED FROM FURTHER EVALUATION**

## **12.2 STAGE 2 – FUNCTIONALITY CRITERIA**

**Functional evaluation criteria comprise of 100 points and bidders must score 70 points to qualify for further evaluation.**

<b>A1. References of Similar Work Done (in relation to product categories of listed items)</b>	<b>40</b>
<p>Bidders to demonstrate capacity in the supply and delivery of mobile testing stations by providing details of clients and quantities where similar service was rendered, and such references should not be older than 36 months</p> <p>References: = <b>20 points</b></p> <ul style="list-style-type: none"> <li>• 1 - 2 references = 5 points</li> <li>• 3 - 4 references = 10 points</li> </ul>	

<ul style="list-style-type: none"> <li>• 5 references and more= 20 points</li> </ul> <p>Quantity: = <b>20 points</b></p> <ul style="list-style-type: none"> <li>• 1- 5 units produced = 5 points</li> <li>• 6 -10 units produced =10 points</li> <li>• 11 or more units produced = 20 points</li> </ul> <p><b>Compliance requirements:</b></p> <p>Bidders are required to complete the attached template in order to give an indication of similar work done. The following details must be fully completed as provided on the attached template.</p> <ul style="list-style-type: none"> <li>• Name and short description of project successfully completed/involved</li> <li>• Name of the institution/company services rendered</li> <li>• Duration of involvement (in months),</li> <li>• Value of the contract,</li> <li>• Contactable References.</li> </ul> <p><b>NB: Bidders are required to fully complete the template and ensure that information provided is accurate and correct. Failure to comply or any misrepresentation will result in disqualification of the bid.</b></p>	
<p><b>A2. After sales support (for handling queries, troubleshooting, maintenance, etc.)</b></p>	<p><b>10</b></p>
<p>Bidder to demonstrate the ability to provide support and maintenance services.</p> <ul style="list-style-type: none"> <li>• 8 hours weekday (daytime) = 10 points</li> <li>• 24/7 working hours = 20 points</li> </ul> <p><b>Compliance requirement:</b></p> <ul style="list-style-type: none"> <li>• Bidder to give an indication of the turnaround time applicable as</li> </ul>	

<p>reflected above</p> <ul style="list-style-type: none"> <li>• Letter of commitment confirming the availability of services and any supporting document confirming existence of the after-support service.</li> </ul>	
<b>A3. Financial Capacity</b>	<b>10</b>
<p>Bidders must demonstrate financial capacity to render or deliver the service by providing proof of availability or access to funds to the value of <b>R 5 000 000.00</b> or more.</p> <p><b>Compliance requirements</b></p> <p><b>A3.2.</b> Bidders must provide the following as proof of Financial Capacity:</p> <p>a) Letter of commitment (specific to the bid) from reputable financial service provider or any third party.</p> <p style="text-align: center;"><b>OR</b></p> <p>b) Three (3) months bank statement reflecting availability of funds as a means to sustain the contract.</p>	
<b>TOTAL</b>	<b>60</b>

## **STEP 2: PRESENTATION AND SITE INSPECTION (At the bidder's premises)**

<b>PRESENTATION AND WALK ABOUT / SITE INSPECTION</b>	<b>40</b>
<p>Site inspection will be divided into two (2) segments/ parts, the first segment will be based on presentation and walkabout/site inspection.</p> <p><b>1.Presentation: 20 Points</b></p> <p>A bidder will be required to provide a power point presentation which will be based on the following aspects:</p> <p>1.1Logistics and delivery Plan</p> <p>Bidders must provide a detailed plan outlining deliverables and milestones on how they will deliver the specified items on time to the required destination/</p>	



delivery point in relation to the following:

1.1.1 Number of units to be produced within two (2) months (Bidder to select the quantity/ number of units as listed below by plotting it on the project plan, specifying deliverables, milestones, capacity, etc.)

- 1 unit to be produced within two (2) months= 3 points
- 2 units to be produced within two (2) months= 5 points
- 3 units to be produced within two (2) months= 8 points
- 4 units to be produced within two (2) months= 10 points
- 5 units to be produced within two (2) months= 12 points
- 6 units to be produced within two (2) months= 14 points
- 7 units to be produced within two (2) months= 16points
- 8 units to be produced within two (2) months= 18 points
- 9 units or more produced within two (2) months= 20 points

### **Compliance Requirements**

Bidder's project plan to reflect the following:

- Quantity/ number of units to be produced within two (2) months
- Activities/ work breakdown structure, deliverables, milestones and timelines
- Indicate dependencies, machinery, personnel to be used, software requirements etc.
- Details of the training plan for train the trainer must be included in the overall project plan

**NB:** As indicated above, the project plan must be able to collaborate capacity in terms of meeting RTMC requirements (i.e. in terms of units to be produced)

Points claimed will only be considered if bidder has fully complied with the above requirements.

### **2.Site inspection (walk about in the premises) = 20 points.**

The bidder will be expected to use the walk about exercise within the premises/ workshop to convince the panel from RTMC by corroborating what has been presented above with the actual / practical situation.

**The walk about will be based on the following:**

- Personnel/ Technicians (Capacity, expertise and experience) =5 points
  - ✓ Applicable Certificates for the trade they are assigned to perform

- ✓ Proof of inhouse training provided to carry out the functions
- Machinery/ Equipment / Tool of trade to be used=5 points
  - ✓ Bidder to show and illustrate machinery that will be used to produce the required quantities/ units as points claimed
- Helpdesk/ Call center/ Customer Service point= 5 points
  - ✓ The bidder to indicate to the RTMC panel how will this be done in the event a call is logged in cases of emergencies / urgent matters
  - ✓ Bidders to show how process will be done and point out existing protocols or systems.
- IT and applicable systems=5 points
  - ✓ Bidder to show availability of any applicable IT system, software used etc.
  - ✓ Quality assurance systems etc.

**The values on the table below will be used to score presentation/ site inspection and bidders are expected to score a minimum of 30 points on this step**

Functionality will be evaluated on the following scales:

VALUE	DESCRIPTION
5- Excellent	Meets and exceeds the functionality requirements
4- Very Good	Above average compliance to the requirements
3- Good	Satisfactory and should be adequate for stated element
2- Average	Compliance to the requirements
0- Non-Compliant	Does not comply to the requirements

**NB: Bidders will be required to score a minimum of 70 points in order to qualify for next stage**

### 12.3 STAGE TWO – PRICE AND PREFERENCE POINTS EVALUATION

This stage will be evaluated on an 90/10 Preference Point System (i.e. 90 points on Price and 10 points on B-BBEE).

CRITERIA	MAXIMUM POINTS
Price	90
B-BBEE Rating	10
<b>Grand Total</b>	<b>100</b>

**SECTION: 2**

**SPECIFICATION DETAILS AND  
FUNCTIONALITY  
REQUIREMENTS**

## **SECTION 2: TECHNICAL REQUIREMENTS/ SPECIFICATION**

### **1. PURPOSE**

The purpose of the bid is to invite suitable and experienced service provider to supply, deliver and maintain mobile vehicle testing stations.

### **2. BACKGROUND**

- Road carnages are amongst the top five killers in South Africa and are a huge public health and a developmental problem. As the population grows and motorisation increases, the problem is worsened. The biggest contributory factor remains human behaviour, followed by vehicle conditions, which can be attributed to different vehicle standards and levels of roadworthiness that apply and lastly environmental factors. Although vehicles are seldom identified as the primary cause of crashes, they can be responsible for triggering poor reactions by drivers and subsequent crashes. The pattern that emerged after undertaking several interventions during the past three (3) years showed that:
- Most vehicles particularly in the freight industry and public transport undergo periodic testing at corrupt public and private Vehicle Testing Stations therefore; drivers continue operating un-roadworthy vehicles on our roads.
- Overloaded vehicles, especially freight vehicles are destroying the road infrastructure, impacting negatively on economic growth.
- Damage to roads as a result of overloading leads to higher maintenance and repair costs and shortens the lifespan of a road which in turn places an additional burden on the state as well as law abiding road users who ultimately carry the costs of careless and inconsiderate overloading.
- There are high levels of corruption within the Vehicle Testing Stations which are reflected by reports from the Anti-Fraud and Corruption Unit:
- Un-roadworthy certificates are issued to vehicles that are not roadworthy.
- Vehicles continue moving on the roads and they cause more carnage and do not consider the lives of other road users.
- The issues above pose a huge risk in the efforts to reduce the carnage on the roads and ensure that enforcement is more effective.
- In order to turn the tide around, road safety programmes focusing on reducing

and eliminating crashes on our roads should in the main focus on changing the attitude and behaviour of road users, but also dealing with un-roadworthy vehicles and overloaded vehicles.

- Intensified law enforcement during peak periods such as Festive and Easter season are synonymous with high traffic volumes in the country and it is normally a challenging period in the road safety fraternity.
- Effective traffic law enforcement is the most important requirement for road safety. We can have the best Rules of the Road, but if these are not enforced effectively, the increase in fatal accidents on the Republic's roads will continue. Investment in tools of trade such as mobile vehicle testing stations is necessary. The benefits of such will ensure:
  - Increased levels of compliance to legislation.
  - Reduction of crashes and fatalities.

### **3. SCOPE OF WORK AND SPECIFICATION**

#### **3.1. Mobile Motor Vehicle Testing Unit Specification**

##### **3.1.1. Semi-trailer with 5th wheel and office**

Specifications or similar

- 1 axle trailer on air suspension, using 5th wheel and kingpin.
- Special air suspension with lowering valve to lower trailer to ground level.
- Pre-stressed side rails to accommodate brake test rollers, Play detector, Headlamp aimer and Emissions tester.
- Hydraulic system to lift and lower ramps on sides of the trailer
- ABS brake system with LED lights
- Insulated air-conditioned office on front of the trailer. With side windows, front window and a door.
- Reinforced back deck for generator and electrical panels
- S/ Wheel bracket- brackets to mount pumps and panels for testing equipment

##### **3.1.2 Phase Generator**

Specifications or similar

- 60 KVA base load generator set.
- Engine: LOVOL 1004G1/ 1004TG1, water cooled, 4 stroke diesel running at 1500 RPM. The engine is complete with 12 electric starter, battery charging alternator, S.A.E. Bell housing, and heavy flywheel for generator application, Class A1 Governor, fuel control solenoid, low oil pressure and high engine temperature shut down.
- Generator: Crompton Greaves or equivalent brushless electronically regulated producing 60kVA, 231/ 400volts three phase.
- Build: the engine and generator are directly coupled by means of a S.A.E adapter flange and is driven by means of a high quality flex coupling.
  - The complete engine and generator combination is mounted on a heavy duty duplex type base frame with heavy duty anti-vibration mountings fitted between the engine and generator combination and base frame. Vibration is limited to absolute minimum. The 8hour fuel tank is base mounted. The control panel is mounted at the rear or side of the generator set.
- Control Panel: sheet metal container with hinged door housing all required instrumentation for the safe and correct operation of the generator set. Control is by deep Sea or LOVATO PLC.
- Fuel Tank: Is a heavy duty container fitted with electric fuel gauge, large filler neck, drain plug and low fuel alarm.
- Canopy: Has a fully lockable powder coated structure white and special exhaust silencer to reduce exhaust noise to <70dBA
- Diesel motor

### 3.1.3 PDA (Personal Digital Assistant)

Specifications or similar

- The Contractor shall provide a programmable PDA, with touch screen to enable the operator to enter all test data, preferably selected from drop down lists, according to SANS 10047 [68] test procedures.
- Test data results shall be stored on the PDA until the data has been synchronised, wirelessly, with the control system for further processing.

- The PDA shall be rated IP54 according to SANS 60529 [71] to be protected from dust and water sprayed from all directions. The PDA shall be rugged designed to withstand 1 m drops to polished concrete.
- The PDA shall be powered from an interchangeable battery. Each handheld computer shall be provided with two batteries and a desktop docking station which must be capable to charge the PDA and spare battery.

#### 3.1.4 Computer hardware or similar

- The computer hardware platform is based on the latest range of Intel CPU's used in Dell or HP entry level computers or approved equivalent. The computer is accredited by Microsoft to be fully compatible with a currently supported Windows based operating system.
- The computer system complies with but not limited to the following minimum requirements:
- One complete industrial type computer with all required peripherals (hard disk, RAM, CPU, DVD writer) of adequate size and speed.
- A back-up recording device provided to generate the required back-ups of the control systems at fixed programmable time intervals. The back-ups shall be used to restore lost or corrupt programmes.
- Wireless network connection to accommodate the PDA data.
- One 17" LCD monitor with PC connectivity, complete with mounting brackets or stand.
- A keyboard is supplied with the computer system. The keyboard are of the totally sealed industrial type, protecting the keys and equipment from weather conditions, especially from windy and dusty conditions that may be experienced at vehicle testing stations.
- One optical USB mouse and mouse-pad.
- Operating system recommended by the supplier of the software.
- An online synchronous (phase locked to supply frequency) compact, self-contained UPS is be supplied.

##### 3.1.4.1 Integration with RTMC Systems:



Solution must provide real-time data of all vehicles tested, test results to a central data store

#### 3.1.4.2 Offences:

Solution must provide for integration to the Corporations Contravention Management Systems in order for the Corporation to issue real time offences at the roadside

#### 3.1.4.3

#### 3.1.5 The UPS or similar

- Provide 30 minutes back-up capacity for the computer hardware is from a supplier approved by the Engineer and shall be a standard of the shelf item
- Has a proven track record in the RSA industry
- Has a power fail indication light or alarm
- Communicate (via a galvanically isolated communications port) a signal to the computer
- On a power failure for automatic shutdown of the computer.

#### 3.1.6 The printer or similar

- Is capable of printing at least 20 A4, black and white pages per minute is of the dust-proof type capable of operating under dusty above-mentioned conditions.
- All required hardware and cables to interconnect the above and connect the system to a LAN network and to provide a fully functional system.
- All computer hardware is secured against theft. This shall be accomplished by properly fastening or locking of all hardware components supplied (monitors, processor boxes, etc.). It shall however exclude items such as keyboards and pointing devices. The method to secure the computer equipment and materials used shall be to the approval of the Engineer.
- Capability to print a section 56 notice and or AARTO 01 2. Capability to print the discontinuation notice 3. Capability to print a Roadworthiness Test Sheet (RTS) form

#### 3.1.7 Heavy Duty Car and Truck Brake Tester

Specifications or similar

- General: Combination type, light and Heavy vehicles
- Axle Mass: Operational 15ton, safe to 20 ton
- Roller Width : 1100mm (Optional: Wider rollers available)
- Roller Diameter : 205mm (Optional: Other sizes also available)
- Roller Pitch : 450mm (Optional: Other sizes available)
- Roller Surface : Epoxy/Carborundum compound (renewable)Roller
- Speed 2,7km/h – 5,4Km/h
- Minimum distance between rollers : 230mm(normal.600mm)
- Maximum distance between rollers : No maximum
- Total width of pit : (600mm between rollers) – 4100m
- Distance from outer to outer edge of rollers : (600mm between – 2800mm)
- Motor kW per side : 11kw
- Co-efficient of friction between roller and tyre : Better than 0,7

### 3.1.8 Heavy Duty Hydraulic Play detector with Controls

Specifications or similar

- Capacity: 10 Tons per wheel mass// 20
- Ton per axle mass
- Side forces: 3kN
- Size of plates: 900 x 900mm
- Motor power: 3kW
- Operating pressure: 170 Bar
- Power supply: 380/400volt 30 Amp
- Maximum movement of plates: 100mm in two directions

### 3.1.9 Scuff Gauge/Wheel alignment indicator

Specifications or similar

- Type : Scuff gauge C/T
- Supply voltage : 220
- Supply ampere : 1
- Maximum load : 9000 Kg
- Maximum speed : 5 Kilometres P/H

#### 3.1.9.1 Plate size

- Width 1040mm
- Length 300mm

#### 3.1.10 Head Lamp Aimer

Specification or similar

- The contractor shall provide a headlight tester suitable to test headlights of all heavy vehicles. The headlight tester shall comply with SANS 10047 [68].
- The headlight tester is able to test the intensity, yaw angle, hotspots and headlight position.
- Protocol for the communication to control system using Giegnet protocol

#### 3.1.11 Combo Petrol and Diesel Emission Tester

Specifications or similar

- There are two types of emissions that must be catered for:
  - Petrol
  - Diesel

The specification for the Diesel smoke meter:

- RPM measurement range 300-9990 RPM
- Resolution 10 RPM
- Display 4 digit
- Power supply 10-28V DC display
- Power 0,5A DC

##### 3.1.11.1 The Multi Gas Analyser must comply to:

- OIML R 99 Class 0 accuracy
- ISO 3930
- UK MOT Norms & VOSA Norms

#### 3.1.12 Surveillance System in Office:

Surveillance System consisting of the following:

- 6U CP black wall mount cabinet with 2 way fans and Cabinet Shelf

- Power supply 10 Amp 16 way for cameras
- 3000VA ON-LINE Tower UPS to power DVR, Cameras, Controller, Monitor, etc.
- 32" LED Display Monitor
- 8 Channel HD1/H.264 Digital Video Recorder/HDMI/EU.
- SEAGATE SV35 4TB 3.5" 7200RPM 64MB CACHE (K1A) Hard Disc Drive for DVR
- 1 x ¼" Outdoor High Speed Dome 36X Optical Zoom. (Pan, Tilt, Zoom)
- 2 x 60M Infrared 1000TVL VariFocal Cylindrical Cameras. (Facing ramps, on & off)
- 1 x 1/3" 700TVL DIS Infrared Dome Camera (Inside office)
- Keyboard Controller 3-D Axis Joystick
- Inline Surge Protection on all units

#### 3.1.13 Surveillance to check undercarriage:

- Undercarriage camera used for surveillance of moving parts
- Move joystick controls to move Play detector in left/right and backward and forward directions.
- Camera images will be displayed on monitor inside office.
- Static cameras do not move, only for surveillance.

#### 3.1.14 Truck Tractor

Specifications or similar

- 18000kg Gross vehicle mass
- 32000kg Gross combination mass
  - New forward control cab
- 240 horse power, 6 in line turbo charged diesel engine
- Power assisted steering
- 8 speed syncromesh gearbox
- Full air brakes
- Semi sleeper with aircon and radio with USB
- Suspension seat
- Fuel tank 200 litre capacity
- Overall length 6375mm
- Overall width 2470mm

- Front overhang 1375mm
- Rear over-hang 1200mm

### **3.2 Roadworthiness certification**

Both the semi-trailer and truck tractor must be delivered with valid road worthiness certificates

### **3.3 Calibration**

The bidder will be required to deliver the vehicles with valid calibration certificate and calibrate the equipment on a six-monthly basis and service as determined by the manufactures

### **3.4 Maintenance and warranty**

The bidder will be required to provide the maintenance plan and warranty in-line with the lifespan of the equipment.

### **3.5 Quality assurance**

Each unit after production must have all necessary documentation and certification i.e. Testing, SABS and applicable documentation that confirms fit for purpose.

**SECTION: 3**

**ANNEXURE AND STANDARD**

**BIDDING DOCUMENTS**

**(See the attached pricing  
schedule)**

**Bidders are required to complete  
in the pricing schedule**

## SBD FORMS THAT MUST BE SUBMITTED FOR Pre-QUALIFICATION

Document that must be submitted	Non-submission may result in disqualification?	
Invitation to Bid – SBD 1	YES	Complete and sign the supplied SBD form document
Declaration of Interest – SBD 4	YES	Complete and sign the supplied SBD form document
Preference Point Claim Form – SBD 6.1	NO	Non-submission will lead to a zero (0) score on BBBEE
Declaration of Bidder's Past Supply Chain Management Practices – SBD 8	YES	Complete and sign the supplied SBD form document
Certificate of Independent Bid Determination – SBD 9	YES	Complete and sign the supplied SBD form document
Registration on Central Supplier Database (CSD	YES	The Bidder must be registered as a service provider on the Central Supplier Database (CSD). If you are not registered, proceed to complete the registration of your company prior to submitting your proposal. Visit <a href="https://secure.csd.gov.za/">https://secure.csd.gov.za/</a> to obtain your vendor number. Submit proof of registration



## **BIDDING DOCUMENTS: GENERAL INFORMATION**

1. The bidding forms are drawn up so that certain essential information is to be furnished in a specific manner. Any additional particulars shall be furnished in the enclosed questionnaire(s) or in a separate annexure.
2. The bidding forms should not be retyped or redrafted, but photocopies may be prepared and used. Additional offers may be made for any item, but only on a photocopy of the page in question. Additional offers made in any other manner may be disregarded.
3. Bidding forms should not filled in using a computer and printer shall be completed in black ink.
4. Bidders shall check the numbers of the pages and satisfy themselves that none is missing or duplicated. No liability shall be accepted about claims arising from the fact that pages are missing or duplicated.
5. The forms in respect of Preference Points Claim, if attached, shall be completed and submitted with the completed Bid.
6. Firm bid prices and delivery periods are preferred. Consequently, bidders shall clearly state whether prices and delivery periods will remain firm for the duration of the contract or not.
7. If non-firm prices are submitted, this fact should be clearly stated in the bidding documents.
8. Where items are specified in detail, the specifications from an integral part of the bidding document and bidders shall indicate in the space provided whether the items offered are to specification or not.

- 9.** In respect of the paragraphs where the items offered are strictly to specification, bidders shall insert the words “as specified”.
- 10.** In cases where the items are not to specification, the deviations from the specifications shall be indicated.
- 11.** The bid prices shall be given in the units shown.
- 12.** All prices shall be quoted in South African currency.