



Road Traffic
Management Corporation

**APPOINTMENT OF SERVICE PROVIDER/S
FOR SUPPLY, INSTALLATION AND
MAINTENANCE OF THE MOVING VIOLATION
RECORDER, AUTOMATED NUMBER PLATE
RECOGNITION SYSTEM AND PORTABLE
SPEED MEASURING APPARATUS FOR THE
RTMC FOR A PERIOD OF THREE YEARS
WITH AN OPTION TO EXTEND**

RTMC BID NO: 09/2019/20

SECTION: 1

CONDITIONS AND UNDERTAKINGS BY BIDDER IN RESPECT OF THIS BID

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1. **Proprietary Information**

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**

- 2.1 All communication and attempts to solicit information of any kind relative to this bid should be channeled to the email below, however such enquiries will be entertained until last ten days of publication on tender bulletin and National Treasury tender portal

Name	RTMC
Email Address	Bidadmin@rtmc.co.za

- 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**

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**

- 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

- 5.1 Bids should be submitted in **Five (5) copies (1 original and 4 copies)**, failure to comply will result to disqualification of bid, all bound in a sealed envelope endorsed, **RTMC BID 09/2019/20: Appointment of service provider/s for supply, installation and maintenance of the moving violation recorder, automated number plate recognition system and portable speed measuring apparatus for the RTMC for a period of three years with an option to extend.**
- 5.2 The sealed envelope must be placed in the bid box at the Main Reception area of the **RTMC Eco Origin Office Park, Block F, 349 Witch-Hazel Street, Highveld Ext 79, Centurion, Gauteng** not later than **11:00 AM on 19 September 2019.**
- 5.3 **Compulsory briefing session will be held on the 02 September 2019 at 10h00, RTMC Eco Origin Office Park, Block F, 349 Witch-Hazel Street, Highveld Ext 79, Centurion, Gauteng wherein a briefing session certificate will be issued to bidders who were in attendance.**
NB: The mentioned briefing certificate must be attached on the bid documents upon submission on the closing date of the bid. (Failing which will invalidate the bid)
- 5.4 The compulsory briefing session certificate must be attached to the bid documents. Failure to include it will result in a disqualification of your bid.
- 5.5 The bidder's company name, closing date and the return address must also be endorsed on the envelope.
- 5.6 All bids submitted must be signed by a person or persons duly authorised thereto.
- 5.7 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.
- 5.8 Bid received by telegram, telex, email, facsimile or similar medium will not be considered.
- 5.9 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.**

- 5.10 Amended bids may be sent in an envelope marked “**Amendment to Bid**” and should be placed in the bid box before the closing time.
- 5.11 Bidders should check the numbers of the pages to satisfy themselves that none are missing or duplicated. No liability will be accepted by RTMC in regard to anything arising from the fact that pages are missing or duplicated.

6. Undertakings by the Bidder

- 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 accept 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

- 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.

- 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

- 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

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

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 B-BBEE Certificate verified by a SANAS accredited verification agency or a letter from the supplier's auditor. In case where a Joint Venture/Consortium is formed, a combined B-BBEE Certificate must be provided.

10.3.2 **Annexure 3** Declaration of Interest (SDB 4)

10.3.3 **Annexure 4** Declaration of Bidders Past SCM Practices (SBD 8)

10.3.4 **Annexure 5** Certificate of Independent Bid Determination (SBD 9)

10.3.5 **Annexure 6** Joint Venture/Consortium Agreement (In case of Consortium or Joint Venture)

Note: 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.

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10.4 Schedule 3: (Separate envelope)

10.4.1 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.**

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

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

11. SPECIAL INSTRUCTIONS TO BIDDERS

- 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.
- 11.4** Should a need arise, RTMC reserves the right to negotiate a flat/ standard rate with appointed service provider.
- 11.5** Bidders must be registered on centralised supplier database (CSD).
- 11.6** All equipment supplied by the service provider must where necessary comply with the requisite SANS standards and the Legal Meteorological Act as well as the applicable Prosecuting Guidelines.
- 11.7** Bidders may bid for one or two or all of the following including supply, installation and maintenance:-
- 11.7.1 Moving Violation Recorder (MVR)
 - 11.7.2 Automated Number Plate Recognition system (ANPR)
 - 11.7.3 Portable Speed Measuring Apparatus
- 11.8** Bidders should ensure that the maintenance is linked to the life span of the equipment.

12. EVALUATION CRITERIA

The bid will be evaluated on a three stage process.

- a) Stage 1 – Compliance to all Mandatory Requirements
- b) Stage 2 – Functional Evaluation. Functionality evaluation will have two steps process
 - Step 1 will be based on written responses which will consists of 50 points. Bidders must score at least 40 points to qualify for next step.
 - Step 2 will be based on presentation and demonstration which consists of 50 points. Bidders must score at least 30 points.

NB: Bidders are expected to score a minimum of 70 points to go to stage 3

12.1 STAGE 1 – MANDATORY REQUIREMENTS

MANDATORY REQUIREMENT (1)	Comply (Yes / No)
<p>COMPULSORY SUBCONTRACTING</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>Compliance requirement:</p> <p>Bidders are required to confirm commitment and acceptance of the stated condition by indicating YES or NO and append signature on the YES or NO column</p>	
MANDATORY REQUIREMENT (2)	Comply (Yes / No)
<p>Bidders must be registered on National Treasury Central Supplier Data base (CSD)</p> <p>Registration on CSD (available on www.csd.gov.za)</p> <p>Tumelo Ntlaba - 012 406 9222</p> <p>Email: CSD@Treasury.gov.za</p> <p>Compliance requirement:</p> <p>CSD report or reference number</p> <p>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.</p> <p>Failure to comply with the above will result in disqualification of the bid</p>	
MANDATORY REQUIREMENT (3)	Comply (Yes / No)
<p>3.1 Expert Evidence</p> <p>The service provider must be prepared to give expert evidence in Court on behalf of the Corporation regarding the moving violation recorder at no additional cost for the duration of the contract</p>	

Compliance requirement: Letter confirming that service provider will avail a technical expert to support RTMC in court proceedings as and when required.	
MANDATORY REQUIREMENT (4)	Comply (Yes / No)
<p>3.2 Moving Violation Recorder, Automated Number Plate Recognition System and Speed Measuring Apparatus must comply with the following requirements:-</p> <p>3.2.1 Compliance to the National Prosecuting Authority guidelines on speed measuring devices</p> <p>3.2.2 Tested by National Metrology Institute of South Africa (NMISA)</p> <p>3.2.3 Type approval by National Regulator for Compulsory Specifications (NRCS)</p> <p>3.2.4 Certified in terms of regulation F3 of the Radio Regulations promulgated under section 18 (1) (e) of the Radio Act, 1952 (Act 3 of 1952)</p> <p>3.2.5 Comply with the relevant South African Bureau of Standards (SABS) code</p> <p>Compliance requirement:</p> <ul style="list-style-type: none"> (i) Test Certificate from NMISA (ii) Type approval Certificate by NRCS (iii) Compliance Certificate with the Radio Act, 1952 (Act 3 of 1952) (iv) Proof of compliance to SANS 1795-0:2007 by SANAS accredited Laboratory 	
MANDATORY REQUIREMENT (5)	Comply (Yes / No)
STANDARD BIDDING DOCUMENTS Bidders must sign all SBD bidding forms attached. Compliance requirement:	

<p>Signed and completed SBD forms.</p> <p>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</p> <p>NB: SBD3.3 may be completed however must be included in the financial envelope</p>	
MANDATORY REQUIREMENT (6)	Comply (Yes / No)
<p>BRIEFING SESSION CERTIFICATE</p> <p>Submission of signed Briefing Certificate issued by RTMC as proof of attendance of compulsory briefing session.</p> <p>(In case of joint venture etc. briefing session certificate from any party that attended the briefing session will suffice)</p>	

NOTE: A BIDDER WHO FAILS TO MEET THE ABOVE MANDATORY REQUIREMENTS WILL BE DISQUALIFIED FROM FURTHER EVALUATION

12.2 STAGE TWO – FUNCTIONALITY AND PRESENTATION EVALUATION CRITERIA

- Step 1 will be based on written responses
- Step 2 will be based on Presentation and Demonstration

STEP 1: FUNCTIONALITY REQUIRMENTS

REQUIREMENTS	Score
A. ABILITY TO DELIVER THE REQUIRED SERVICE	20
<p>The bidder must demonstrate the ability to deliver the required service by indicating previous projects executed and that may include any of the following in full or in part:- Moving Violation Recorder and/or Automated Number Plate Recognition System and/or Speed Measuring Apparatus</p> <ul style="list-style-type: none"> • 1 – 2 similar services rendered = 10 points • 3 or more similar services rendered = 20 points <p>Compliance requirement:</p> <p>Bidders are expected to attach copies of reference letters from clients where the service has been rendered. The following details must be reflected in the content of the reference letter/s:-</p> <ul style="list-style-type: none"> • Name and short description of project successfully completed/involved • Roles and Responsibilities, • Duration of involvement (in months), • Value of the contract, <p>Contactable References. (letter of references on letterhead of the clients signed by the authorized person)</p>	
B. BIDDERS CORE TEAM EXPERIENCE	30
<p>The bidder must outline the experience of the core team. The following lead disciplines (service areas/roles) have been identified and must be demonstrated in the form of a detailed CV with testimonials.</p> <ul style="list-style-type: none"> • Overall Implementation / project manager = 5 points <ul style="list-style-type: none"> ➤ 3 to 5 years of experience in project management = 3 points 	

REQUIREMENTS	Score
<p>➤ 6 years and above = 5 points</p> <p>Compliance requirement:</p> <p>CV with at least 2 contactable references confirming similar projects managed</p> <ul style="list-style-type: none"> • IT solution architect/Developer = 5 points <ul style="list-style-type: none"> ➤ 3 to 5 years of experience = 3 points ➤ 6 years and above = 5 points <p>Compliance requirement:</p> <p>CV with at least 2 contactable references confirming similar work done</p> <ul style="list-style-type: none"> • Business/System Analyst = 5 points <ul style="list-style-type: none"> ➤ 3 to 5 years of experience = 3 points ➤ 6 years and above = 5 points <p>Compliance requirement:</p> <p>CV with at least 2 contactable references confirming similar work done</p> <ul style="list-style-type: none"> • Subject matter expert in Traffic Law Enforcement/ criminal procedure/ legal = 5 points <ul style="list-style-type: none"> ➤ 3 to 5 years of experience = 3 points ➤ 6 years and above = 5 points <p>Compliance requirement:</p> <p>CV with at least 2 contactable references confirming similar work done</p> <ul style="list-style-type: none"> • Availability of Call center or Helpdesk service (for handling queries, troubleshooting, etc.) =5 point <ul style="list-style-type: none"> ➤ 1 hour to 8 hours weekday daytime = 3 points ➤ 24/7 working hours = 5 points 	

REQUIREMENTS	Score
Compliance requirement: Letter of commitment confirming the availability of services <ul style="list-style-type: none"> • Technician = 5 points <ul style="list-style-type: none"> ➤ 3 to 5 years of experience = 3 points ➤ 6 years and above = 5 points Compliance requirement: CV with at least 2 contactable references confirming similar work done	
TOTAL SCORE	50
MINIMUM THRESHOLD	40

NB: The minimum qualifying score for functionality is 40 points. All bidders that fail to achieve the minimum qualifying score on Step 1 shall not be considered for Step 2 of the presentation and demonstration

Step 2 – PRESENTATION AND DEMONSTRATION

The bidder is required to make presentation to the RTMC and demonstrate the overall solution This Step consists of 50 points of which bidders will be expected to score 30 points for further evaluation.

The following evaluation criteria will apply:

A1 Bidder to illustrate clear understanding of RTMC requirements and outline how the following solutions will be interfaced with RTMC back office systems: 25 points <ul style="list-style-type: none"> • Mobile Tracking Laser Camera/Eye-witness Camera = 5 points • Automated Number Plate Recognition Capability (mobile & installed in vehicles) = 5 points • Moving Violation Recorder = 5 points • Interface to Natis and other RTMC back office systems = 5 points • Provision of Speed Measuring Apparatus = 5 points 	
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NB: The bidder is expected to provide a schematic representation and detailed narrative of interfacing the five components as stated above. The bidder must outline the entire business process and display the points of interface and the value to be derived from each of the above areas.

A2 The bidder must indicate their understanding of RTMC's business and operational needs by highlighting the risks associated with the implementation of this project and how the RTMC can support the Project implementation plan = 25 point

- the bidder must provide a detailed project plan for early commencement with rapid delivery timelines = 6 points
- The project plan must reflect a detailed work breakdown structure that is time bound = 7 points
- Included in the project plan must be a detailed project management structure with clear write up on the methodology and approach that will be applied by the bidder = 6 points
- Details of the training plan for traffic officers and back office personnel (users) must be included in the overall project plan = 6 points

All of the above requirements will be evaluated based on the criteria applicable to this bid.

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

TOTAL

100

12.4 OVERALL EVALUATION SCORE REQUIREMENTS

The minimum qualifying score for functionality is **70 points** (this is inclusive of Step 1 and Step 2). All bidders that fail to achieve the minimum qualifying score on functionality shall not be considered for further evaluation on Price and B BBEE

12.6 STAGE THREE – PRICE AND PREFERENCE POINTS EVALUATION

This stage will be evaluated on a 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
Grand Total	100

SECTION: 2

SPECIFICATION DETAILS AND FUNCTIONALITY REQUIREMENTS

SECTION 2: TECHNICAL REQUIREMENTS/ SPECIFICATION

1.PROBLEM STATEMENT

- 1.1** The National Traffic Law Enforcement, deriving its key performance indicator (KPI 7) from the 2019-2020 Annual Performance Plan (KPI 7), has identified a number of intervention categories aimed at improving driver behaviour and result in safer roads. The target for KPI 7 is to conduct 1256 intelligence-led road traffic law enforcement interventions.
- 1.2** One of the critical intervention categories is moving violations enforcement. During moving violations enforcement operations, the National Traffic Law Enforcement is reliant on stakeholders such as provincial and local traffic departments for assistance with providing and operating moving violations enforcement measuring apparatus.

2.BACKGROUND AND DISCUSSION

- 2.1** The RTMC has a national footprint with eight regional offices in seven provinces and has adopted a stance to vigorously roll out its intervention initiatives; this can only be achieved by having the appropriate tools of trade. The RTMC did not procure moving violations enforcement measuring apparatus to support its moving violations operations.
- 2.2** The RTMC Act, 1999 (Act No. 20 of 1999) Section 24 (1) (b) of the Act provides for income generation from penalties and fines payable to the Corporation as an issuing authority in terms of section 32 of the Administrative Adjudication of Road Traffic Offences Act, 1998 (Act No. 46 of 1998).
- 2.3** The C-BRTA Act, 1999 (Act No. 4 of 1998) Section 18 (1) (b) of the Act provides for income generation from money collected from the imposition of fines in terms of the C-BRTA Act.

2.4 Moving Violation Recorder (MVR) & Digital Eyewitness Systems

The majority of fatal crashes on our public roads occur due to human behaviour. Distractive driving; reckless, negligence & inattentive contributes to crashes due to human behaviour. The procurement of the moving violation recorder system will assist in the reduction of crashes by identifying and recording offending motorists.

2.5 Automated Number Plate Recognition (ANPR)

Our regional offices are currently issuing section 56 notices and in the near future the entire NTP will follow suite. A number of unpaid fines that will result into warrant of arrests will increase thus resulting in a challenge to execute them.

2.6 The procurement of the automated number plate recognition system will be a solution to this envisaged challenge due to its capability in identifying vehicles with outstanding fines, warrants of arrest and cloned number plates

2.7 Bidders may bid for one or/and two or/and all items including supply, installation and maintenance listed on the table below :- **(Please tick ✓ relevant item)**

ITEM	DESCRIPTION	YES	NO
2.7.1	Moving Violation Recorder (MVR)		
2.7.2	Automated Number Plate Recognition system (ANPR)		
2.7.3	Portable Speed Measuring Apparatus		
2.7.4	Maintenance		

Failure to complete the table above will result in disqualification

3. SCOPE OF WORK AND SPECIFICATION

3.1 Mobile Violations Recorder (MVR) & Digital Eyewitness

Vehicle Mounted On-Board Speed Measuring Equipment with Overhead Console or Modular Digital In-car Video systems comprising:

MVR (speed measuring unit)
Digital Eyewitness unit
Either overhead console or modular units
Digital zoom colour camera
Interior monochrome camera
In car microphone
Removable Solid State Hard Drive "SSD"
Clear Comms 900MHz Transmitter with built-in microphone

Crash record Activation Module
GPS

3.1.1. Patrol vehicle mounted on-board speed measuring instrument able to measure vehicle speeds.

3.1.2. The MVR speed output must be transferable to the Digital Eyewitness in-car video system.

3.1.3. The MVR information together with the images recorded of the incident/violation must be stored on a removable recording solid state hard drive on the unit.

3.1.4. The video frames on the recording must have a watermark identification to discourage and detect image tampering.

3.2. Features:

3.2.1. Moving Violation Recorder

3.2.1.1. The MVR must display speed, acceleration, real time and date, instrument operating conditions, distance travelled and time measured on a backlit Liquid Crystal Display.

3.2.1.2. The information must be transferred to the Digital Eye Witness video system.

3.2.1.3. Humidity, Temperature, Battery Voltage Sensors.

3.2.1.4. Two independent clocks continuously compared with one another and provide the MVR with automatic time measurement accuracy checks.

3.2.1.5. Two independent wheel rotation sensors which provide the MVR with two distance measuring capabilities. The two wheel rotation sensors must be fitted to the non-driven wheels of the vehicle. The instrument must be able to report distance measuring errors automatically.

3.2.1.6. Calibration: the calibration factor cannot be changed by the operator- the calibration of the instrument must be traceable to the National Measuring Standard.

3.2.1.7. The MVR must be fitted with a memory card which records every movement of the patrol vehicle- all information as above plus start, stop times with dates, distance followed, speed, acceleration, deceleration data.

3.2.2. Digital Eyewitness In-car Video

3.2.2.1. The digital eyewitness: the integrated system must feature a Digital video recorder and LCD mirror controller which is friendly. One front view and rear facing camera, the rear facing monochrome camera and built-in microphone camera positioned facing the rear occupancy of the patrol vehicle. The main forward looking colour camera be installed on the front windscreen within the patrol vehicle.

3.2.2.2. Compact camera: 40:1 zoom ration, superior colour and best night video, resistance to headlight blooming and smearing.

3.2.2.3. Media options: capability of recording to a removable solid state drive “SSD” with a 40 GByte SSD, 33 hours of real-time MPED 4 (30fps) video recording.

3.2.2.4. Pre-event Recording: A memory buffer must automatically capture up to 30 seconds of video prior to record activation.

3.2.2.5. Software updates via PC: software updates must be via PC.

3.2.2.6. Clear Comms Digital Audio Transmitter with Automatic Activation: 900 MHz digital transmitter to be automatically activated when the video system begins recording to ensure audio is recorded even if an officer forgets to turn the transmitter on.

3.2.2.7. Audio Quality: operating range of 300 metres and it must accurately reproduce all sounds on the scene, up to 20 users on the scene without any interference.

3.2.2.8. Crash Record Activation: automatically start the recording if a patrol vehicle should be involved in an accident. Up to 30 seconds of evidence prior to the crash.

3.2.2.9. GPS Interface: The officer must be able to mark exact coordinates of any witnessed offence, which will be added to the recording.

Automated Number Plate Recognition (ANPR)

3.3. Automated Number Plate Recognition systems comprising:

2x ANPR Compact Camera
Additional connecting cable
Auto plate software
Ruggedized PC with four channel framegrabber fitted into an aluminum carry case
Internal Battery
Power Supply unit

Audio speaker for alarm notification
Keyboard/ Mouse
Camera Housing/ Day and Night operational
Handheld scanner for generating Section 56

3.3.1 Features: vehicle ANPR system interfaced to include-

3.3.1.1. Interface to current RTMC Back Office.

3.3.1.2. Importing outstanding warrants csv file.

3.3.1.3. Uploading of scanned warrants csv file.

3.3.1.4. Printing of warrants.

3.3.1.5. Automated or manual enquiry of outstanding fines

3.4 Laser speed measuring apparatus or similar

Construction	
Large 8.1 cm (3.2”) high resolution display	
Optical bonded LCD for superior daylight view ability	
Colour touchscreen, glove-friendly	
Easy setup with user programmable presents	
Video playback and frame image capture	
Wireless Wi-Fi file transfer	
AES 256 encryption for added security	
Integrated GPS	
IR emitter for night operation	
Specifications	
Optimum focus distance	From 10 m to 500 m (33 ft. to 1640 ft.)
Range accuracy	+/- 2 km/h (+/- 1 mph)

Speed range	16 km/h to 320 km/h (10 mph to 200 mph) 0 minimum speed optional
Minimum measurement distance	3 m (10 ft.)
Maximum measurement distance	Up to 2.4 km (up to 8,000 ft.). Stationary, reflective target
Target acquisition time	0.33 seconds
Battery life	14 hours, typical 12 AH Battery
Eye safety	FDA/CDRH Class I Eye Safe/IEC 60825-1
Environment	IP55 certified for water and dust. NHTSA Conforming Product List
Weight	1.7 kg (3 lbs 12 oz.)
Size	17.3 cm X 10.7 cm X 31.2 cm (6.8" X 4.2" X 12.3")
Evidence Management	ProLog Lite (included) Option: ProLog Standard Option: ProLog Standard Client
Language Support	20+ languages
Camera sensor	720 X 576 video resolution
Camera lens	36X Optical zoom auto focus, auto iris progressive scan, image stabilizer
High-Res colour display	800 X 480 pixel resolution. Optically bonded
Photo or video evidence with	Automatic: Speed/range with auto fire and thresholds Manual: Speed/range with trigger and thresholds Range: Range with trigger

	Photo/Video: Photo/Video only Photo on trigger release
Package contents	
Laser speed measuring apparatus or similar	
12V-12AH Battery Pack	
USB cable	
Tripod + Carry bag	
Battery charger	
64 GB video memory (>33 hours record time)	
Compass/Inclinometer/GPS	
ProLog™ Lite back office	
Rugged carry case	
Multiple language support	
Li polymer rechargeable batter	

3.5 Maintenance services

3.5.1 RTMC will require maintenance services for all operating moving violations enforcement measuring apparatus and equipment as supplied. Bidders should ensure that the maintenance is linked to the life span of the equipment.

3.6 Calibration

3.6.1 The bidder will be required to commission the calibration sites

3.6.2 The bidder will be required to calibrate the sites and equipment bi-annually.

SECTION: 3

**ANNEXURE AND STANDARD
BIDDING DOCUMENTS**

ATTACHED

**BIDDERS MUST SIGN AND SUBMIT ALL
ATTACHED SBD FORMS**

ANNEXURE AND STANDARD BIDDING DOCUMENTS

DOCUMENT	DESCRIPTION
BDGI	Bid Documents General Information
Annexure 1	Invitation to Bid (SBD 1)
Annexure 2	Acceptance of Bid Conditions and Bidder's Structure
Annexure 3	Declaration of Interest (SBD 4)
Annexure 4	Declaration of Bidder's Past Supply Chain Management Practices (SBD 8)
Annexure 5	Certificate of Independent Bid Determination (SBD 9)
Annexure 6	Pricing Schedule (SBD 3.3)
Annexure 7	Preference Points Claim Forms (SBD 6)

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 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 are missing or duplicated. No liability shall be accepted in regard to 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.