

ADDENDUM/ CORRIGENDUM to the RFP DOCUMENT REF NO.29367/C1/2017 dated 28.08.2017

This addendum/ corrigendum document is issued for the Request For Proposal (RFP) document issued for the bid for the selection of firm for design, supply, integration and commissioning of Speed Violation Detection System between Chengalpattu and Trichy on National Highways, tender reference number 29367/C1/2017, dated 28.08.2017.

The clauses modified vide this addendum/ corrigendum document shall prevail over any mismatching/ contradicting clause in the RFP document reference number 29367/C1/2017, dated 28.08.2017 and any other document issued subsequently with respect to the same.

S No	Page No	Clause No/ Ref	Existing clause	To be read as
1.	1	Cover Page	BID FOR THE SELECTION OF FIRM FOR The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room in Chennai with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.	BID FOR THE SELECTION OF FIRM FOR The Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room in Chennai with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.
2.	4	Name of the Work	The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room in Chennai	The Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room in Chennai
3.	4	Earnest Money Deposit	Rs. 10,00,000/-	1% for first Rs.20,00,000 and 0.5% for the remaining Tender amount = Amounting to Rs. 11,10,000/-
4.	6	Introduction Para 2	As part of its modernization initiatives the Home (Transport) Department invites Sealed Tenders from competent and experienced firms for the Design, Supply, Integration, Commissioning of 3D Doppler Radar/ Laser based installation of Automatic	As part of its modernization initiatives the Home (Transport) Department invites Sealed Tenders from competent and experienced firms for the Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems

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			Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years after successful commissioning, operate, training the department officers with facility management service for one year and shall hand over the entire setup including software solution to the Home (Transport) Department with no cost basis including source key.	(SVDS)using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years after successful commissioning, operate, training the department officers with facility management service for one year and shall hand over the entire setup including software solution to the Home (Transport) Department with no cost basis including source key.
5.	6	INTRODUCTION Para 4	If any need arises it shall be scalable by extending the installation of such cameras in other places and integrate the same in the existing software in the control care .	If any need arises it shall be scalable by extending the installation of such cameras in other places and integrate the same in the existing software in the control centre .
6.	7	2 INVITATION OF BID	The Transport Commissioner will be Tender Inviting Authority for Sealed Tenders from interested and competent firms for the Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years after successful commissioning, operate, training the department officers with facility management service for one year. This document is a 'Request for Proposals' from competent and efficient firms. Parties fulfilling the criteria mentioned in the Public Tender Notice only need apply. The bid is to be submitted in two separate parts i.e. Pre-Qualification Bid and Technical Bid in one cover and Price Bid in a	The Transport Commissioner will be Tender Inviting Authority for Sealed Tenders from interested and competent firms for the Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years after successful commissioning, operate, training the department officers with facility management service for one year. This document is a 'Request for Proposals' from competent and efficient firms. Parties fulfilling the criteria mentioned in the Public Tender Notice only need apply. The bid is to be submitted in two separate parts i.e. Technical Bid in one cover and Price Bid in a separate cover.

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			separate cover.							
7.	7	3 ELIGIBILITY CRITERIA	...The following pre-qualification criteria should be met by the applicant in order to qualify for submitting the bids. Such bids which meet this eligibility only will be opened for technical evaluation.				The following eligibility criteria should be met by the applicant in order to qualify for submitting the bids. Such bids which meet this eligibility only will be opened for financial evaluation.			
8.	8	Table	Sr No	Pre-Criteria	Supporting Documents	Part of	Sr No	Eligibility Criteria	Supporting Documents	Part of
			1.	Bidder shall be a Company registered in India under company act 1956 for more than 3 years as on 2019	Copy of the Certificate of incorporation/ Registration issued by the relevant statutory authority should be submitted	Technical bid	1.	Bidder shall be an individual Company registered under Indian Companies Act, 1956 for more than 3 years as on 2019 or a consortium of a maximum of 3 partners, wherein the Lead Partner shall be a Company registered under Indian Companies Act, 1956 for more than 3 years as on FYE 2019.	Copy of the Certificate of Incorporation issued by relevant statutory authority	Technical Bid
			2.	Bidder should have valid GST, PAN registration certificate.	Copy of Registration Certificate.	Technical Bid				
			3.	Bidder should have experience in implementing minimum 2 traffic enforcement projects	Order copy/ Satisfactory Certificate/ Successful Test report by any Government Agency.	Technical Bid				
							2.	Bidder or all Partners in the case of Consortium should have valid	Copy of Registration Certificate	Technical Bid

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			4.	The bidder should have service/ support center/ office in Chennai or give an undertaking that they will setup service center for the purpose within one week after getting PO.	Document showing the same	Technical Bid		GST, PAN registration certificate		
							3.	Bidder or the Technical Partner should have experience in implementing at least ONE traffic enforcement project involving 3D Radar based Speed Violation Detection System covering a minimum of 30 lanes.	Work Order in the name of the Bidder or the Technical Partner in the case of Consortium for traffic enforcement project involving 3D Radar based Speed Violation Detection System covering minimum of 30 lanes.	Technical Bid
			4.	The Bidder or the Lead Partner in the case of Consortium should have service/ support centre/ office in Chennai or should give an undertaking that they will setup	Document showing the same	Technical Bid				

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					service centre for the purpose within one week after getting PO, if they emerge successful in the tender process.		
				5. The Original Equipment Manufacturer for Radar based Speed Detection Solution supplied for the Project should have proper test report and certification for instant speed in accordance to OIML R 91 D11, WELMAC 7.2	Documents for OIML R 91 D11, WELMAC 7.2 in the name of the Original Equipment Manufacturer of Radar. The certification copy should have been authenticated by Indian Embassy.	Technical Bid	
				6. The Original Equipment Manufacturer for Radar based SVDS solution for the Project shall have necessary permission for operations in	ETA certificate for OEM shall be provided	Technical Bid	

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				<table border="1"> <tr> <td data-bbox="1290 236 1368 272"></td> <td data-bbox="1368 236 1653 272">India.</td> <td data-bbox="1653 236 1899 272"></td> <td data-bbox="1899 236 2101 272"></td> </tr> <tr> <td data-bbox="1290 272 1368 655">7.</td> <td data-bbox="1368 272 1653 655">The Bidder or all Partners of the Consortium (taken together) must have a minimum average annual turnover of Rs. 36 Crores over the preceding 3 years.</td> <td data-bbox="1653 272 1899 655">Certificate from Chartered Accountant</td> <td data-bbox="1899 272 2101 655">Technical Bid</td> </tr> <tr> <td data-bbox="1290 655 1368 938">8.</td> <td data-bbox="1368 655 1653 938">The Bidder or Technical Partner in the case of Consortium shall be certified for ISO 9001:2015</td> <td data-bbox="1653 655 1899 938">ISO Certificate 9001:2015</td> <td data-bbox="1899 655 2101 938">Technical Bid</td> </tr> </table>		India.			7.	The Bidder or all Partners of the Consortium (taken together) must have a minimum average annual turnover of Rs. 36 Crores over the preceding 3 years.	Certificate from Chartered Accountant	Technical Bid	8.	The Bidder or Technical Partner in the case of Consortium shall be certified for ISO 9001:2015	ISO Certificate 9001:2015	Technical Bid
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9.	8	4 SUBMISSION OF BIDS	<p>The Bid should be submitted in two covers system for this tender. Part 1- Technical Bid along with pre qualification bid, in one cover Part 2- Price bid in one cover</p> <p>COPY OF THE TECHNICAL BID OF THE TENDER AND THE PRICE BID SHOULD BE PLACED IN A SEPARATE SEALED COVER SUPER SCRIBING THE WORDS "BID for the Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways on</p>	<p>The Bid should be submitted in two covers system for this tender. Part 1- Technical Bid in one cover Part 2- Price bid in anothercover</p> <p>COPY OF THE TECHNICAL BID OF THE TENDER AND THE PRICE BID SHOULD BE PLACED IN A SEPARATE SEALED COVER SUPER SCRIBING THE WORDS "BID for the Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways on trial basis and setting up of control room in Chennai with 3 year onsite comprehensive</p>												

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			trial basis and setting up of control room in Chennai with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.	Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.
10.	9	Para 2	<p>The Bidder may partner with another ONE firm/organization subject to the following conditions:</p> <p>a) The Bidder and consortium partner should be able to satisfy the technical criteria.</p> <p>b) The Bidder needs to furnish complete details of the Partners in the prescribed format while submitting the contract and enclose along with the tender a copy of the agreement between the Bidder and the consortium partner.</p>	<p>Bids can be submitted by a Company individually or by a Consortium of maximum of THREE partners, where the Lead Partner shall be a company registered under Indian Companies Act, 1956, subject to the following conditions:</p> <p>a) The Bidder and consortium partners should be able to satisfy the technical criteria individually or severally as required by the respective criteria.</p> <p>b) The Bidder needs to furnish complete details of all the Partners in the prescribed format while submitting the contract and enclose along with the tender a copy of the agreement between the consortium partners.</p>
11.	10	ENCLOSURES IN THE BID	<p>PRE QUALIFICATION</p> <p>a) Annexure I – VI</p> <p>b) Certificate of Incorporation and Copy of Memorandum and Articles of Association.</p> <p>c) This tender document signed by the bidder (Authorized signatory) on each page with date and company seal.</p> <p>d) Audited P &L Account and Balance Sheet for the last 3 years.</p> <p>e) Certificate from CA.</p> <p>f) Document showing Up to date Income Tax.</p> <p>g) Copy of GST/PAN Registration Certificate.</p> <p>h) The original and the copies of the bid shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors</p>	<p>TECHNICAL BID</p> <p>a) Annexure I – VI</p> <p>b) Certificate of Incorporation and Copy of Memorandum and Articles of Association.</p> <p>c) This tender document signed by the bidder (Authorized signatory) on each page with date and company seal.</p> <p>d) Audited P &L Account and Balance Sheet for the last 3 years.</p> <p>e) Certificate from CA.</p> <p>f) Document showing Up to date Income Tax.</p> <p>g) Copy of GST/PAN Registration Certificate.</p> <p>h) The original and the copies of the bid shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in</p>

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			<p>made by the Bidder, in which case, such corrections shall be initialed by the person or persons signing the Bid in original.</p> <p>WHILE SUBMITTING THE SIGNED TENDER DOCUMENT, BIDDERS SHOULD MAINTAIN CAUTION NOT TO FILL UP THE PRICE BID FORMAT IN THE TENDER DOCUMENT. IT SHOULD BE ENCLOSED IN THE ENVELOPE FOR FINANCIAL BID.</p> <p>TECHNICAL BID</p> <p>a. Annexure VII to XII</p> <p>b. Appendices A to F</p> <p>c. If the bidder has additional information to submit that cannot be encompassed by the current table of contents, additional sections may be added at the end.</p> <p>d. Makes and brands should be specified wherever applicable in the Technical Bid in the format of the appendices attached with the RFP.(Request for Proposal)</p> <p>e. Details of employees of the firm including position</p> <p>f. Contact details of the visiting engineer/technical person to be employed for the project.</p> <p>g. Layout of the Control Room.</p> <p>h. Copy of ISO</p> <p>i. List of consumables for the period of one year with specification and details.</p>	<p>which case, such corrections shall be initialed by the person or persons signing the Bid in original.</p> <p>i) Annexure VII to XIII</p> <p>j) Appendices A to F</p> <p>k) If the bidder has additional information to submit that cannot be encompassed by the current table of contents, additional sections may be added at the end.</p> <p>l) Makes and brands should be specified wherever applicable in the Technical Bid in the format of the appendices attached with the RFP.(Request for Proposal)</p> <p>m) Details of employees of the firm including position</p> <p>n) Contact details of the visiting engineer/technical person to be employed for the project.</p> <p>o) Layout of the Control Room.</p> <p>p) Copy of ISO</p> <p>q) List of consumables for the period of one year with specification and details.</p> <p>WHILE SUBMITTING THE SIGNED TENDER DOCUMENT, BIDDERS SHOULD MAINTAIN CAUTION NOT TO SPECIFY PRICE IN ANY PART OF THE TECHNICAL BID. PRICE SHOULD BE ENCLOSED IN THE ENVELOPE FOR FINANCIAL BID</p> <p>.</p>
12.	11	PART II – PRICE BID	<p>The PART – II shall contain the following document:</p> <p>a. The Price Bid should be filled and submitted in the format specified in the Annexure-XV-XVI.</p> <p>b. The rates quoted should be inclusive of all taxes,</p>	<p>The PART – II shall contain the following document:</p> <p>a. The Price Bid should be filled and submitted in the format specified in the Annexure-XIV-XVI.</p> <p>b. The rates quoted should be inclusive of all taxes, all</p>

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			<p>all duties etc. Tenders not complying with this condition will be rejected.</p> <p>c. The rates quoted should be in Indian Rupees only.(in figures and words)</p> <p>d. The successful bidder shall be selected based on the technical and financial evaluation.</p> <p>e. Cost of consumables with unit price as mentioned in 6.3 (i)</p>	<p>duties etc. Tenders not complying with this condition will be rejected.</p> <p>c. The rates quoted should be in Indian Rupees only.(in figures and words)</p> <p>d. The successful bidder shall be selected based on the technical and financial evaluation.</p> <p><deleted></p>
13.	11	6. EXPECTED SOLUTION	<p>This is made possible by the initiative taken by Tamil Nadu Home (Transport) Department by connecting around 200 sites at present and the system architecture should be scalable above 1000 sites in future. As part of this project, the project sub systems are as below,</p> <p>a. 3D radar/laser based SPOT & Average speed violation enforcement systems is proposed along with all vehicle Capture & ANPR capability for crime analysis & detection.</p>	<p>This is made possible by the initiative taken by Tamil Nadu Home (Transport) Department by connecting around 200 sites at present and the system architecture should be scalable above 1000 sites in future. On successful implementation of the system, it shall be at the discretion of the Transport Commissioner to extend the Contract for scaling up the Project as specified. As part of this project, the project sub systems are as below,</p> <p>a. 3D Radar based SPOT & Average speed violation enforcement systems is proposed along with all vehicle Capture & ANPR capability for crime analysis & detection.</p>
14.	14	Line 1	<p>...should consist of 3D Doppler Radars/Laser, electronics for speed calculation/ sensor interface, camera control, control room communication system, local storage of violations, Power back up system, surge protection system, Anti tamper system, Power system and OBO earthing system etc. Local storage minimum 256 GB (SSD) should be provided per road, for buffering violation data.</p>	<p>...should consist of 3D Doppler Radars, electronics for speed calculation/ sensor interface, camera control, control room communication system, local storage of violations, Power back up system, surge protection system, Anti tamper system, Power system and OBO earthing system etc. Local storage minimum 256 GB (SSD) should be provided per road, for buffering violation data.</p>

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15.	19	7.4	The successful bidder will have to supply the equipment's listed in Appendix and any peripheral equipment's required for the Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.	The successful bidder will have to supply the equipment's listed in Appendix and any peripheral equipment's required for the Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai with 3 year onsite comprehensive Warranty support and continued AMC support for 2 years and Facility Management Services for 1 year.																		
16.	19	7.5 PROVISION OF HARDWARE AND SOFTWARE	The selected firm will be required to procure the equipment's listed in Appendix-I, necessary hardware and system software at its own cost as per the requirements. Hardware shall include 3D Doppler Radar/ Laser , Field Unit hardware, Camera, computer infrastructure, networking equipment, communication devices, printers, UPS systems etc.	The selected firm will be required to procure the equipment's listed in Appendix-I, necessary hardware and system software at its own cost as per the requirements. Hardware shall include 3D Doppler Radar, Field Unit hardware, Camera, computer infrastructure, networking equipment, communication devices, printers, UPS systems etc.																		
17.	22	10 TIME SCHEDULES	<table border="1"> <thead> <tr> <th>Activity</th> <th>End date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Place order for equipment's</td> <td>T1</td> <td>Along with required permissions from department</td> </tr> <tr> <td>Site Preparation</td> <td>T1 + 1 months</td> <td></td> </tr> <tr> <td>Installation and Trial</td> <td>T1 + 5 months</td> <td></td> </tr> </tbody> </table>	Activity	End date	Description	Place order for equipment's	T1	Along with required permissions from department	Site Preparation	T1 + 1 months		Installation and Trial	T1 + 5 months		<table border="1"> <thead> <tr> <th>Activity</th> <th>End date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Place order for equipment</td> <td>T1</td> <td>Along with required permissions from the Technical Committee constituted by the Transport department</td> </tr> </tbody> </table>	Activity	End date	Description	Place order for equipment	T1	Along with required permissions from the Technical Committee constituted by the Transport department
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			Training	T1 + 6 months	Completion of all civil related works with respect to Main control room and pole foundation works subject to availability of ROW	T1 + 3 months	After submission of all design documents to the Technical Committee constituted by the Transport Department
					Supply of all Camera, Radar, other necessary hardware and software for main control room	T1 + 4 months	Upon completion of inspection of all the material by the Technical Committee constituted by the Transport Department
					Installation and Commission of the proposed SVD system in all the junction	T1 + 5 months	Upon verification of the installation report by the Technical Committee constituted by the Transport Department
					Trial run completion and final Go Live	T1 + 6 Months	Final Acceptance report by the Technical

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						Committee constituted by the Transport Department
				Training & Capacity building for 1 month	T1 + 7 Months	
18.	23	12. Procedure for submission of bids	<p>I. It is proposed to adopt two covers system for the tender.</p> <p>a. Technical bid includes pre-qualification bid</p> <p>b. Price bid</p> <p>The cover of the technical bid should superscribing the words The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai</p> <p>The cover of the Price bid should superscribing the words The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai</p>	<p>I. It is proposed to adopt two covers system for the tender.</p> <p>a. Technical bid</p> <p>b. Price bid</p> <p>The cover of the technical bid should superscribing the words “The Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai – TECHNICAL BID”</p> <p>The cover of the Price bid should superscribing the words “The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai – PRICE BID”</p>		

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19.	24	Line 1	The Design, Supply, Integration, Commissioning of 3D Doppler Radar/Laser based installation of Automatic Number Plate Recognition (ANPR) cameras for Speed Violation Detection Systems (SVDS) from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai	The Design, Supply, Integration, Commissioning of 3D Doppler Radar based Speed Violation Detection Systems (SVDS) using Automatic Number Plate Recognition (ANPR) cameras from Chengalpattu to Trichy on National Highways and setting up of control room in Chennai
20.	27	13 BID EVALUATION	<p>a. Technical Bid evaluation</p> <p>The evaluation shall consist of checking if all the documents called for by the Department have been uploaded in the specified cover itself and checking its authenticity. Bidders who have not submitted the relevant documents as specified shall be rejected. Documents to be submitted with the Technical Bid have been given separately in para 5.1.</p> <p>The evaluation would involve assessment of the financial status of the bidder and the technical evaluation of the equipment as per the specifications called for by the Department and verifying the documents called for and uploaded by the bidder. Bidders who have not submitted the relevant documents and have not qualified as the technical requirement shall be rejected. The documents to be enclosed for the technical bid have been given separately in para 5.1. The bidder may have to demonstrate the technical solution before technical committee and/or show the videos from their existing sites where the requested solution is implemented.</p> <p>Minimum eligibility criteria (Bidder should qualify all the below 4 points)</p>	<p>a. Technical Bid evaluation</p> <p>The evaluation shall consist of checking if all the documents called for by the Department have been submitted in the specified cover itself and checking its authenticity. Bidders who have not submitted the relevant documents as specified shall be rejected. Documents to be submitted with the Technical Bid have been given separately in para 5.1.</p> <p>The evaluation would involve assessment of the financial status of the bidder and the technical evaluation of the equipment as per the specifications called for by the Department and verifying the documents submitted by the bidder. Bidders who have not submitted the relevant documents shall be rejected. The documents to be enclosed for the technical bid have been given separately in para 5.1. The bidder who qualify for all the eligibility criteria specified in clause 3 of this RFP documentshalldemonstrate the technical solution before technical committee and/or show the videos from their existing sites where the requested solution is implemented. Only the bidders who qualify for all the eligibility criteria specified in clause 3 of this document and who satisfactorily demonstrates the technical solution in the Presentation round shall be qualified for the Financial Bid opening round, as per the Tamil Nadu Transparency in Tenders Act, 1998 and Rules, 2000.</p>

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			<table border="1" data-bbox="528 309 1272 1353"> <thead> <tr> <th data-bbox="528 309 607 376">S. No.</th> <th data-bbox="611 309 949 376">Criteria</th> <th data-bbox="954 309 1155 376">Eligibility</th> <th data-bbox="1160 309 1272 376">Pass/ Fail</th> </tr> </thead> <tbody> <tr> <td data-bbox="528 379 607 555">1.</td> <td data-bbox="611 379 949 555">The bidder must have a minimum average Annual turnover Crores over the preceding 3 years.</td> <td data-bbox="954 379 1155 555">More than 36 years</td> <td data-bbox="1160 379 1272 555"></td> </tr> <tr> <td data-bbox="528 558 607 625">2.</td> <td data-bbox="611 558 949 625">The vendor should have ISO 9001:2015</td> <td data-bbox="954 558 1155 625"></td> <td data-bbox="1160 558 1272 625"></td> </tr> <tr> <td data-bbox="528 628 607 903">3.</td> <td data-bbox="611 628 949 903">Experience in implementing sensor (loop/ radar/ Lidar) based Fully Automatic speed Enforcement System (SVDS) within last 7 years in India.</td> <td data-bbox="954 628 1155 903">More than 150 systems.</td> <td data-bbox="1160 628 1272 903"></td> </tr> <tr> <td data-bbox="528 906 607 1353">4.</td> <td data-bbox="611 906 949 1353">Experience in implementation of state wide loop/radar/lidar speed Enforcement Control Room with Facility Management Service including challan processing and online payment management service with minimum of 100 system in India.</td> <td data-bbox="954 906 1155 1353">More than 5 years.</td> <td data-bbox="1160 906 1272 1353"></td> </tr> </tbody> </table>				S. No.	Criteria	Eligibility	Pass/ Fail	1.	The bidder must have a minimum average Annual turnover Crores over the preceding 3 years.	More than 36 years		2.	The vendor should have ISO 9001:2015			3.	Experience in implementing sensor (loop/ radar/ Lidar) based Fully Automatic speed Enforcement System (SVDS) within last 7 years in India.	More than 150 systems.		4.	Experience in implementation of state wide loop/radar/lidar speed Enforcement Control Room with Facility Management Service including challan processing and online payment management service with minimum of 100 system in India.	More than 5 years.		<p>THE DECISION OF THE HOME (TRANSPORT) DEPARTMENT WITH REGARD TO THE BID EVALUATION SHALL BE FINAL AND BINDING ON ALL BIDDERS, AND SHALL NOT BE QUESTIONED BEFORE ANY FORUM OR COURT OF LAW.</p>
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21.	28	14. PERFORMANCE BANK GUARANTEE	The bidder shall furnish performance bank guarantee to the Home (Transport) Department for an amount of 10% of contract value in the form of indemnity bond. In the case of a Government body in the prescribed format from any Nationalized Bank within 30 days of receipt of the Work Order. The Performance Bank Guarantee will be for a minimum period of 3 years. The Bank Guarantee should be as per ANNEXURE - XIX .	The bidder shall furnish performance bank guarantee to the Home (Transport) Department for an amount of 5 % of contract value in the form of indemnity bond. In the case of a Government body in the prescribed format from any Nationalized Bank within 30 days of receipt of the Work Order. The Performance Bank Guarantee will be for a minimum period of 3 years. The Bank Guarantee should be as per ANNEXURE - XVIII .
22.	30	22 MANPOWER DEPLOYMENT	Bidder must submit Resumes covering with qualification, experience and Certificate of the personnel who would be employed for this project.	Successful Bidder must submit Resumes covering with qualification, experience and Certificate of the personnel who would be employed for this project.
23.	32	24.6 Warranty and access control	iii. Upon receipt of such notice, the bidder shall with the reasonable time remove the defects and if necessary replace the hardware free of cost without prejudice to any other rights which the department may have against the bidder under the contract.	iii. Upon receipt of such notice, the bidder shall within reasonable time remove the defects and if necessary replace the hardware free of cost without prejudice to any other rights which the department may have against the bidder under the contract
24.	37	ANNEXURE – I	Subject: - Tender towards Design, Supply, Integration, Commissioning of 3D Doppler Radar/ Laser based Fully Automatic Traffic Enforcement System (SVDS) and Central Control Command Centre	Subject: - Tender towards Design, Supply, Integration, Commissioning of 3D Doppler Radar based Fully Automatic Traffic Enforcement involving Speed Violation Detection System (SVDS) and Central Control Command Centre
25.	38	30.2 ANNEXURE – II	GENERAL INFORMATION OF THE BIDDER	GENERAL INFORMATION OF THE BIDDER/ LEAD BIDDER, IN CASE OF CONSORTIUM
26.	38	30.3 ANNEXURE – III	GENERAL INFORMATION OF THE ASSOCIATE Note: Details of bidder's Associates. Separate form for each associate. Name of the Associating company/firm	GENERAL INFORMATION OF THE CONSORTIUM PARTNERS Note: Details of partners of the Consortium. Separate form for each partner . Name of the Associating company/firm
27.	39	30.4 ANNEXURE – IV	FINANCIALS OF THE BIDDER	FINANCIALS OF THE BIDDER/ LEAD BIDDER

S No	Page No	Clause No/ Ref	Existing clause						To be read as					
28.	39	30.5 ANNEXURE - V	FINANCIALS OF THE BIDDER'S ASSOCIATE						FINANCIALS OF THE CONSORTIUM PARTNERS					
29.	39	30.6 ANNEXURE – VI	Item of turnover	Turnover in 2016-17	Turnover in 2017-18	Turnover in 2018-19	Item of turnover	Turnover in 2016-17	Turnover in 2017-18	Turnover in 2018-19	Bidder/ Lead Bidder, in case of Consortium Consortium Partner(s)			
			Bidder											
			Associate											
30.	43	ANNEXURE – XV	Sl No	Specification	Qty	Unit Price	GST	TOTAL	Sl No	Specification	Qty	Unit Price	GST	TOTAL
			1	3D Doppler Radar/ Laser based Automated speed enforcement system for one direction 2 lane SYSTEM (Field Installation)					1	3D Doppler Radar based Automated speed enforcement system for one direction 2 lane SYSTEM (Field Installation)				
31.	59	32 APPENDIX	32 APPENDIX a. APPENDIX - I Minimum Technical specifications for SVDS 3D DOPPLER RADAR/ LASER BASED SPEED VIOLATION DETECTION SYSTEM (SVDS) WITH ALL VEHICLE ANPR Objective: Advanced Doppler radar/laser to detect over speeding vehicles and captures images and license						32 APPENDIX The specifications for various hardware and other equipment specified in this RFP document is to ascertain the functionalities specified in this document. The functional requirements specified in this RFP document shall therefore prevail over any of the technical specifications mentioned in this RFP for various hardware and other equipment. The Bidder shall modify/ revise/ upgrade the specifications of hardware and other					

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			<p>number of such vehicles. System should work fully automatically during day and night, and also captures court evidence images. Should be Mega pixel Global shutter cameras with high power IR flash illumination (for night time).</p> <p>1.0FIELD HARDWARE COMPONENTS</p> <table border="1" data-bbox="528 483 1252 970"> <thead> <tr> <th data-bbox="528 483 607 550">Sl. No.</th> <th data-bbox="607 483 846 550">Category</th> <th data-bbox="846 483 1252 550">Specification</th> </tr> </thead> <tbody> <tr> <td data-bbox="528 550 607 970">1</td> <td data-bbox="607 550 846 970">Speed Sensor</td> <td data-bbox="846 550 1252 970">Advanced Tracking Doppler Radar/Laser sensor, Detects and measures speed of vehicles. > 240 Km/hour. Refresh Time – 50msec, Multi lane operation. Speed Accuracy better than 97%. Heavy vehicle classification (trucks / Bus etc.) should be possible by Radar/laser.</td> </tr> </tbody> </table>			Sl. No.	Category	Specification	1	Speed Sensor	Advanced Tracking Doppler Radar/ Laser sensor, Detects and measures speed of vehicles. > 240 Km/hour. Refresh Time – 50msec, Multi lane operation. Speed Accuracy better than 97%. Heavy vehicle classification (trucks / Bus etc.) should be possible by Radar/ laser .	<p>equipment, if required, to ascertain the functional requirements specified in this RFP only after obtaining necessary written consent of the head of the Department</p> <p>a. APPENDIX - I Minimum Technical specifications for SVDS 3D DOPPLER RADAR BASED SPEED VIOLATION DETECTION SYSTEM (SVDS) WITH ALL VEHICLE ANPR</p> <p>Objective: Advanced Doppler radar to detect over speeding vehicles and captures images and license number of such vehicles. System should work fully automatically during day and night, and also captures court evidence images. Should be Mega pixel Global shutter cameras with high power IR flash illumination (for night time).</p> <p>1.0FIELD HARDWARE COMPONENTS</p> <table border="1" data-bbox="1308 970 2078 1385"> <thead> <tr> <th data-bbox="1308 970 1386 1037">Sl. No.</th> <th data-bbox="1386 970 1626 1037">Category</th> <th data-bbox="1626 970 2078 1037">Specification</th> </tr> </thead> <tbody> <tr> <td data-bbox="1308 1037 1386 1385">1</td> <td data-bbox="1386 1037 1626 1385">Speed Sensor</td> <td data-bbox="1626 1037 2078 1385">Advanced Tracking Doppler Radar sensor Detects and measures speed of vehicles. > 240 Km/hour. Refresh Time – 50msec, Multi lane operation. Speed Accuracy better than 97%. Heavy vehicle classification (trucks / Bus etc.) should be possible by Radar.</td> </tr> </tbody> </table>			Sl. No.	Category	Specification	1	Speed Sensor	Advanced Tracking Doppler Radar sensor Detects and measures speed of vehicles. > 240 Km/hour. Refresh Time – 50msec, Multi lane operation. Speed Accuracy better than 97%. Heavy vehicle classification (trucks / Bus etc.) should be possible by Radar.
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32.	62	SVDS BOM split up	Sl. No.	Category	QTY	Sl. No.	Category	QTY												

S No	Page No	Clause No/ Ref	Existing clause			To be read as		
			1	Speed sensing Radar/ laser sensor (one per road in one direction)	56	1	Speed sensing Radar sensor (one per road in one direction)	56
33	82	APPENDIX – IV	ENFORCEMENT SYSTEM H/W			ENFORCEMENT SYSTEM H/W		
			Sl. No.	Product	Qty	Sl. No.	Product	Qty
			1	3D DOPPLER RADAR/ LASER BASED AUTOMATED SPEED ENFORCEMENT SYSTEM FOR ONE DIRECTION 2 LANE SYSTEM	56	1	3D DOPPLER RADAR BASED AUTOMATED SPEED ENFORCEMENT SYSTEM FOR ONE DIRECTION 2 LANE SYSTEM	56