

RFP for Design, Supply, Installation, Testing, Commissioning, and Operation & Maintenance of Advanced Traffic Management System (ATMS) on Delhi to Agra Section of NH-19 on EPC mode

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
1	Page 106/107	Addendum to schedule - C	ATCC requirement sl. Nos 3 & 4	Which all lanes ATCC-Axle counting detection is required? Only slow speed lanes OR on all lanes?	As RFP does not specify any information, request to provide same	M/s Kerala State Electronics Development Corporation LTD (Please refer Addendum to Schedule-C Sl. No. 4
2	Page 106/107	Addendum to schedule - C	ATCC requirement sl. Nos 3 & 4	It is assumed ATCC - Classification data to have vehicle image front or side (example – image with axles for multi axle vehicles), with licence plate image & extracted licence number is also required	As RFP does not specify any information, request to provide same	M/s Kerala State Electronics Development Corporation LTD (KELTRON)	As per RFP
3	Page 67/107	BOQ	ATMS Control Centre , Video wall for Tunnel Camera Feed	How many tunnel cameras are there?, and tunnel camera Video wall size Information not provided in RFP	As RFP does not specify any information, request to provide same	M/s Kerala State Electronics Development Corporation LTD (Refer Corrigendum
4	46/113	4.3.3.5.3	The accuracy of the speed detection technique should be 98% and capture up to minimum 180 kmph speeds during Day and night for all types of vehicles.	If Video based speed detection is used, confirm if speed calibration certificate should ensure accuracy in any night conditions & also for 2 wheelers in night conditions?	RFP does not specify speed calibration conditions	M/s Kerala State Electronics Development Corporation LTD (KELTRON)	As per RFP
5	48/113	4.5.8	In case ANPR is unable to recognise the plate for a vehicle, the image captured by the software for manual number plate recognition. No predictions and low confidence recognitions will be manually annotated by the staff at the command Centre	No operators have been included in the manpower list for this sort of editing. The number of operators and the shift operations will depend on the number of challans generated. How many operators to consider for challan editing? Example: suppose one system generates 100 challans per day, for 50 systems: 5000 challans to be considered, and will require approx. ?? Operators in 1 shift or 2 shifts.	RFP does not specify operator for challan processing, critical factor for manpower calculation	M/s Kerala State Electronics Development Corporation LTD (KELTRON)	The requirement mentioned in the RFP are minimum. Bidder should meet all the functional criteria in their ATMS Solution.
6	48/113	4.5.8	In case ANPR is unable to recognise the plate for a vehicle, the image captured by the software for manual number plate recognition. No predictions and low confidence recognitions will be manually annotated by the staff at the command Centre to zoom in, Correct number plate recognized from the snapshot.	It is assumed violation challans will be passed to NIC-ITMS – e-Chellan system, with required software, after Number plate error correction & validation?? Since roads cross multiple states separate accounts to be created for states.	RFP does not specify violation chellan handling/ processing	M/s Kerala State Electronics Development Corporation LTD (KELTRON)	As per RFP
7	100/113	Appendix B	If there is a power outage in the main grid beyond the necessary backup time, the same may be considered as beyond the control of the SI after due case and intimation has been made to NHAI	The same clause to be applied for internet connectivity providers also. Loss of connectivity is not under control of Bidder/MSI.	Request to consider	M/s Kerala State Electronics Development Corporation LTD (As per RFP
8	101/113	Table for performance Item 2 - VIDES	See Table in 4.3.2 for Recall and accuracy for VIDES & similarly for all Penalties	It is assumed, Penalty will be applicable for errors beyond the recall & accuracy % mentioned in the Table 4.3.2	Please confirm	M/s Kerala State Electronics Development Corporation LTD (As per RFP
9	101/107	Schedule B	2 nos ATMS control rooms with the same manpower suggested.	Can the bidder optimize hardware requirements at both ATMS control rooms, so all functionality is met? Also to avoid duplication of actions from both control rooms simultaneously?	Please consider	M/s Kerala State Electronics Development Corporation LTD (KELTRON)	As per RFP
10	ELIGIBILITY AND PRE-QUALIFICATION CRITERIA Page no. 13	PQ 2 - Annual Turnover	i. The Bidder shall have an average annual turnover (updated to the price level of the year based on factors indicated in the bellow table) of Rupees 50 Crore for the last 3 (three) Financial Years Year 1 - 1.0 Year 2- 1.05 Year 2- 1.1 In case a joint venture/consortium the lead member shall meet atleast 70 % requirement of minimum average annual turnover. For avoidance of doubt it is further clarified that the JV must collectively and individually satisfy the above qualification criteria ie JV shall cumulatively/collectively fulfil the 100 %	. i. The Bidder shall have an average annual turnover of Rupees 25 Crore for the last 3 (three) Financial Years in case a joint venture/consortium the lead member shall meet atleast 70 % requirement of minimum average annual turnover. For avoidance of doubt it is further clarified that the JV must collectively and individually satisfy the above qualification criteria ie JV shall cumulatively/collectively fulfil the 100 % requirement		M/s LogicMo systems private Limited	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL								
11	ELIGIBILITY AND PRE-QUALIFICATION CRITERIA Page no. 13	PQ – 4 Relevant Field of Business	The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years as on bid due date. Information regarding the same should be provided along with documentary evidence.	We would request the IHMCL authority to consider the clause of "The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least for three (3) years for allowing logicmo systems private limited a MSME & Start to participate		M/s LogicMo systems private Limited	As per RFP								
12	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification PQ 2 - Annual Turnover	13 of 107	<p>The Bidder shall have a minimum average annual turnover (updated to the price level) of the year based on factors indicated in table below) of Rs. 50 Crore for the last 03 (Three) financial Years</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Year1</th> <th>Year2</th> <th>Year3</th> </tr> </thead> <tbody> <tr> <td>Update Factor</td> <td>1.00</td> <td>1.05</td> <td>1.10</td> </tr> </tbody> </table> <p>In case of a Joint Venture/Consortium, the Lead Member shall meet atleast 70% requirement of Minimum Average Annual Turnover and the other Member shall meet atleast 20% requirement of Minimum Average Annual Turnover. For Avoidance of doubt it is further clarified that the joint venture must collectively and individually satisfy the above qualification criteria i.e. JV shall cumulative/collectively fulfill the 100% Requirement</p>	Year	Year1	Year2	Year3	Update Factor	1.00	1.05	1.10	As per revised public procurement policy for MSEs order dated 27.01.2022, it is mentioned that MSEs may also be given relaxation in prior turn over and prior experience criteria during the tender process. Considering this provision, relaxation in turn over and experience criteria as per Govt Norms for Central Govt/State Govt Tender to be extended to the bidders with MSME Certification. Requesting consideration of a turnover threshold of INR 25 crores under PQ2 (Annual Turnover).		Envoys Electronics Pvt. Ltd.	As per RFP
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Update Factor	1.00	1.05	1.10												
13	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification, PQ – 4 Relevant Field of Business	14 of 107	The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years as on bid due date. Information regarding the same should be provided along with documentary evidence.	The sole bidder or in case of JV any member/ Partner (any one) should be operating in the field of software development / IT Solutions /IT Services / ATMS /ITS / OEM of electronic Equipment for at least five (5) years as on BID date .		Envoys Electronics Pvt. Ltd.	As per RFP								
14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification PQ 5 - Relevant Experience on ATMS/Intelligent Tranporation System (ITS)	14 of 107	<p>The Sole Bidder or any Member(s) or the Consortium individually or combined (in case of Consortium) should have implemented. and successfully commissioned qualifying components of ITS/ATMS Project in Minimum 100 Kms (cumulative) of Highway / Expressway OR Minimum 3 Smnrt City in India or abroad for Central/State Government department/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main contractor within last 05 year prior as on the Bid Due Date. Note: The project/s shall be complete, or in Operation, Completion Certificate/Current Performance Certificate signed by the Authorised Signatory of the Client should be submitted in the technical bid. Qualifying Componrnrs of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be defined as under - a)A qualifying Project should inter-alia mandatorily include a dedicated Command Control center with integrated centralized integrated software. Video wall. work stations. contact centre /helpdesk and integrated wilh at least anv 2 (TWO) of the following sub-systems/ components: i.Traffic Monitoring Camera System (TMCS)/Traffic Surveillance Systems ii.Vehicle Speed Detection System (VSDS) - Radar/ANPR Camera based Solutions iii. Video Incident Detection Systems (VIDS)/ Video Incident Detection and Enforcement System (VIDES) iv.Incident Enforcement System with integration with VAHAN/NIC for e-challan AND b) The bidder own their propreitary ATMS integrated software having intgration with the required sybsystems and that should be in the operation since last one</p>	<p>1. Kindly consider a minimum road length of 50 kilometres, comprising highways, expressways, or urban roads, under PQ5 (Relevant experience on Advanced Traffic Management Systems/Intelligent Transportation Systems - ATMS/ITS). 2. Requesting consideration for inclusion of three urban development cities, alongside three smart cities. Noting that Delhi and Mumbai, while not classified as smart cities, have equivalent ITS solutions deployed. 3. Requesting consideration of projects awarded with a status of "Under Execution" under PQ5 (Relevant experience on ATMS/ITS).</p>		Envoys Electronics Pvt. Ltd.	As per RFP								

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15	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, PQ - 6 Certification	15 of 107	The Sole Bidder or Any Member, in case of a Consortium, should have a valid certificate (or equivalent certificate in the country of origin) of any TWO of the following 3 Months prior to Bid Due Date: a) CMMI Level 3 or above b) ISO 20000 for IT Service Management c) ISO 27001:2013 for Information Security Management System	For wider participation and competitive bidding, it is requested to amend pre-qualification criteria PQ6, as below: The Sole Bidder or Any Member, in case of a Consortium, should have a valid certificate (or equivalent certificate in the country of origin) of any TWO of the following 3 Months prior to Bid Due Date: 1.CMMI Level 3 or above . 2.ISO 14001:2015 for Environmental Management System 3.ISO 27001:2013 for Information Security Management System. 4.20000 for IT Service Management.		Envoys Electronics Pvt. Ltd.	As per RFP
16	1.2.20.Payment Schedule	82 of 107	Construction Period - 50% & Operation and Maintenance Period - 50%	Request you to please change this clause to •10% advance payment along with Letter of Intent (LOI) against Advance Bank Guarantee (ABG). •40% payment against material delivery on a pro-rata basis. •30% payment against installation on a pro-rata basis. •10% payment upon commissioning. •10% payment during the Operations and Maintenance (O&M) period.		Envoys Electronics Pvt. Ltd.	As per RFP
17	4.3.9. Power Supply for ATMS Command & Control Center and Field Equipment	101 of 107	The Contractor shall ensure 24x7 supply for the ATMS Command and Control Centre and Field Equipment with supply power from Electricity Department as primary source supported by UPS renewable power (solar etc) and DG Set of adequate capacity.	Please give clarification regarding requirement 4.3.9 outlined in the specifications. As per our understanding, the provision of roadside equipment such as PTZ, VIDES, VMS, and other relevant equipment is mandatory. Additionally, it is specified that the availability of DG set, mains power, and solar backup is compulsory for each of these roadside equipment operations . Please clarify.		Envoys Electronics Pvt. Ltd.	As per RFP
18	13 of 110	PQ 2 - Annual Turnover	The Bidder shall have a Minimum Average Annual Turn Over (updated to the price level of the year based on factors indicated in table below) of Rs 50 Crore for the last 3(three) financial years.	suggest to kindly amend the annual turnover to 25Cr	Average turnover couldn't be met due to COVID	M/s Tecsidel India	As per RFP.
19	82 of 110	1.2.20	Approval of Design, Drawings, and Documentation pursuant - 5% to Schedule-C	Request for amendment to 10%	60% total payment in construction phase	M/s Tecsidel India	As per RFP.
20	82 of 110	1.2.20	Supply and Installation of VMS Equipment including 5% supply of portable VMS	Request for amendment to 10%		M/s Tecsidel India	As per RFP.
21	82 of 110	1.2.20	"Operation and Maintenance period 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2.25% 3rd Year of O&M – Four equal quarterly payments @ 2.5% 4th Year of O&M – Four equal quarterly payments @ 2.75% 5th Year of O&M – Four equal quarterly payments @ 3%"	"Request for Amendment as follows: 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2% 3rd Year of O&M – Four equal quarterly payments @ 2% 4th Year of O&M – Four equal quarterly payments @ 2% 5th Year of O&M – Four equal quarterly payments @ 2%"	40% payment in Operations & Maintenance phase	M/s Tecsidel India	As per RFP.
22	88 of 110	1.2.34	"Termination IHMCL, in its sole discretion and for any reason whatsoever, may terminate this Contract Agreement for dereliction in performance of stipulated duties by the Contractor."	Suggest to modify - "IHMCL, in its sole discretion and for any reason whatsoever, after providing due notice and time to resolve, may terminate this Contract Agreement for dereliction in performance of stipulated duties by the Contractor."	Termination clause	M/s Tecsidel India	As per RFP.
23	97 of 110	4.3	"Equipment site plan / Indicative Equipment Location: The Bidder shall conduct the site survey and propose the ATMS sub-system location in the Technical Proposal. The location provided in this document shall be treated as indicative, The successful Bidder, in consultation with the IHMCL / IHMCL representative, have to ascertain the indicative locations and propose the appropriate equipment location during the design phase of the Contract. The successful bidder during design phase of the contract shall provide equipment locations duly marked in the KMZ file of the project highway."	Required KMZ file/ Plan and profile/ Cad file	KMZ File/ Cad/ Plan and profile	M/s Tecsidel India	Refer Corrigendum
24	3 of 110	Disclaimer	IHMCL may in its absolute discretion, but without being under any obligation to do so, update, amend, or supplement the information, assessment or assumptions contained in this RFP document.	Request for Amendment of the Tender submission date to 4 weeks after the final Corrigendum for this Tender	Extension	M/s Tecsidel India	Refer Corrigendum
25	67 of 110	Form F-2 - Cost Breakup	F - ATMS control centre	Kindly provide complete BOQ of All ATMS equipment to be installed on field as well as control room.	ATMS BOQ	M/s Tecsidel India	As per RFP

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26	92 of 110	1.1. Annex - I (Schedule -A) - 1.1.1	Site	Kindly share blackspot data at the site	Blackspot	M/s Tecsidel India	The locations provided in RFP includes blackspot locations
27	101 of 110	4.3.9. Power Supply for ATMS Command & Control Center and Field Equipment	The Contractor shall ensure 24x7 supply for the ATMS Command and Control Centre and Field Equipment with supply power from Electricity Department as primary source supported by UPS renewable power (solar etc) and DG Set of adequate capacity.	Kindly provide Electrical cabel length for near field equipments	Electrical Cabel length	M/s Tecsidel India	The bidder may exercise their own due diligence at site
28	101 of 110	4.3.9. Power Supply for ATMS Command & Control Center and Field Equipment	The Contractor shall ensure 24x7 supply for the ATMS Command and Control Centre and Field Equipment with supply power from Electricity Department as primary source supported by UPS renewable power (solar etc) and DG Set of adequate capacity.	Kindly provide UPS specifications.	UPS	M/s Tecsidel India	As per RFP
29	207 Schedule C 100 of 113	Schedule-C Advance Traffic Management System (ATMS) on NHs Functional & Technical Specificaitons of ATMS Components / Sub Components	Appendix B - Service Level Agreements and Penalties During O&M Period Payment Terms: The SLA metrics provided specifies performance parameters as scoring method, termination trigger and measurement mechanism. Irrespective of payment duration, all SLA calculations, breach conditions and deductions thereon will be done considering quarterly time period. The SLA also specifies the liquidated damages for lower performance and breach conditions. Payment during the O&M phase is linked to the compliance with the SLA metrics. The matrix specifies three levels of performance, namely, 1. The contractor will get 100% of the Contracted value due for the period (as per the 'Payment Schedule' section of the Terms of Reference) if all the baseline performance metrics are complied with and the cumulative credit points are 100 2. The contractor will get lesser payment in case of lower performance. (For e.g. if SLA pointscore is 50 then the SI will get 20% less on the periodic O&M payment - The formula calculating the deductions is "(100 - SLA Point Score)%"). 3. In case the overall performance is less than 50% in the quarter, no amount will be paid for the entire quarter. 4. In case the score falls below 50 for two consecutive quarters, the Authority can invoke the termination clause.	SLA Penalties are uncapped: Clause capping SLA penalty is missing in the RFP. The same should be included in line with Standard industry practice. RFPs for similar project scope (ATMS) from NHIPMPL and UPEIDA have capping on SLA penalty @ 15% of the quarterly payments.		EFKON India Private Limited	As per RFP.
30	16	4.2. Eligible Goods and Services, and Original Equipment Manufacturer (OEM) Criteria	6) The Bidder shall NOT propose more than FOUR make/model, for each of the component/equipment. Make model shall be specific and any equivalent is not allowed. Providing more than Four make / model in the technical proposal (T-9) shall make the bid liable to be rejected.	We understand bidder can quote for 4 make and models for each of the quoted item and can opt for either among 4 make/models during implemnetation stage or even all 4 can be used as per site conditions, if desired by the successful bidder. Please confirm, if understanding is correct.		EFKON India Private Limited	As per RFP. Understanding is correct.
31	92	1.1.2. Toll Plaza/ ATMS Control Centre Location	At Km/Ch: 94+000 of NH-19 Near Km/Ch: 165+000 of NH-19	We understand there shall be two nos of control rooms in this project and hence all related infra under Item category, ATMS CONTROL CENTRE (Financial Bid_v1) shall be supplied for both the control rooms. Please confirm, if understanding is correct.		EFKON India Private Limited	Refer Corrigendum
32	94	4.1.1. General	The project shall be a complete turnkey solution with provision of skilled resources at all locations for operations. The period of engagement shall initially be 5 years and six months including 6 months of construction / implementation period.	We understand that bidder needs to quote entire manpower as mentioned in section 4.3.10. Operation & Maintenance (O&M), page 102 of the RFP for both the control rooms separately, please confirm idf understanding is correct or else bidder can consider common manpower for both the control rooms.		EFKON India Private Limited	The requirement mentioned in the RFP are minimum. Bidder should meet all the functional criteria in their ATMS Solution.
33	95	4.1.1. General	c. The ATMS Contractor will be provided with space in the Toll Plaza/NHAI building for setting up of A TMS Control Centre. The Contractor shall be responsible for interior works, MEP works, etc. for construction and setting up the A TMS Control Centre, including any related electrical, lighting, generator set (preferably eco-friendly Gas powered), power backup, HV AC works, access control, air conditioning, CCTV, PTZ cameras, firefighting, alarm, extinguishers, etc. shall be in the scope of the Contractor. All operational expenses towards electricity, diesel/fuel, and other consumables shall be in the scope of the ATMS Contractor.	It is mentioned in the RFP that the MEP and other interior works shall be in the scope of ATMS contractor but in order to design area of Control centre, floor and Data centre, UPS room is mandatory which is missing in the RFP. Auhority is requested to provide the details of these rooms. Further, we also request to clarify if furniture for control room is also in the scope of the ATMS contractor or not.		EFKON India Private Limited	Please refer Schecule - B, Clause 4.3.14.

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34	96	4.1.1. General	k. The Contractor shall be responsible for integration of ATMS system with 1033, Vahan Database, Police Control Rooms, Dial 112, and others as per the requirement raised from time to time by NHAI or its authorized agency (NHA will facilitate Contractor by writing letters to external agencies for integration/ sharing API, as applicable, on written request of the Contractor and recommendations of the ITS Engineer). All technical coordination will have to be carried out by the Bidder at its own cost.	We understand that for these integrations necessary efforts shall be mutually arrived in consultation with NHAI/NHAI representative, as and when such requirements are raised by NHAI and these shall be paid as per mutually agreed rates. Please confirm, if understanding is correct. Certain services maybe available on paid basis, as per our understanding IHMCL will bear the cost of these services.		EFKON India Private Limited	As per RFP																																										
35	96	4.1.1. General	k. The Contractor shall be responsible for integration of ATMS system with 1033, Vahan Database, Police Control Rooms, Dial 112, and others as per the requirement raised from time to time by NHAI or its authorized agency (NHA will facilitate Contractor by writing letters to external agencies for integration/ sharing API, as applicable, on written request of the Contractor and recommendations of the ITS Engineer). All technical coordination will have to be carried out by the Bidder at its own cost.	We understand that API/SDK for mentioned 3rd party integrations will be provided by IHMCL/NHAI free of cost. Please confirm if our understanding is correct.		EFKON India Private Limited	As per RFP. However, request for integration shall be made by the ATMS Contractor																																										
36	97	4.3.2. Video Incident Detection and Enforcement System (VIDES)	26+000,68+380,79+200,87+500,95+600,109+000 - LHS-RHS	As per the mentioned chainage in remarks column LHS-RHS is written however there is only one chainage location is given. Please confirm if there are two gantry locations or there is only one gantry at this chainage. Please also let us know the difference between BHS and LHS-RHS		EFKON India Private Limited	As per RFP Clause 4.3.2.1. Point b.																																										
37	99	4.3.4. Variable Message Sign (VMS) System	85+700,110+000,130+000,174+000 - LHS-RHS	As per the mentioned chainage in remarks column LHS-RHS is written however there is only one chainage location is given. Please confirm if there are two gantry locations or there is only one gantry at these chainage.		EFKON India Private Limited	As per RFP Clause 4.3.4.1.1. Point b.																																										
38	105	4.3.10. Operation & Maintenance (O&M)	(iii) Before the start of O&M Period, the Contractor shall deploy the O&M Personal mentioned at Appendix-C of Schedule-C with prior approval of the Authority. The resumes of the proposed personal shall be submitted in the format given in Schedule-C.	Please confirm if bidder has to follow schedule C for O&M manpower or section 4.3.10. Operation & Maintenance (O&M) in Schedule B.		EFKON India Private Limited	The requirement mentioned in the RFP are minimum. Bidder should meet all the functional criteria in their ATMS Solution.																																										
39	102 & 107	4.3.10. Operation & Maintenance (O&M) & ADDENDUM TO SCHEDULE - C, point 7	<table border="1"> <thead> <tr> <th>1</th> <th>Operation & Maintenance (O&M) Manpower</th> <th>Minimum manpower requirement for each Command and Control Centre</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>Traffic Manager</td> <td>1 in General shift</td> </tr> <tr> <td>b.</td> <td>Shift Supervisor</td> <td>1 in each shift + reliever</td> </tr> <tr> <td>c.</td> <td>Maintenance Manager - Operations</td> <td>1 in General shift</td> </tr> <tr> <td>d.</td> <td>Traffic Operations Staff</td> <td>1 per 15 TMCS camera + reliever.</td> </tr> <tr> <td>e.</td> <td>System Maintenance Engineer</td> <td>3 in each shift + reliever.</td> </tr> <tr> <td>f.</td> <td>Data Analyst</td> <td>1 in General shift</td> </tr> <tr> <td>g.</td> <td>Database/IT Admin</td> <td>1 in each shift + reliever</td> </tr> <tr> <td>h.</td> <td>Incident Operations Staff</td> <td>2 in each shift + reliever</td> </tr> <tr> <td>i.</td> <td>Highway O&M Analyst</td> <td>1 in General shift</td> </tr> <tr> <td>j.</td> <td>Office Assistant (1 at each shift)</td> <td>1 in each shift + reliever</td> </tr> <tr> <td>k.</td> <td>Maintenance Vehicle with Driver and helper</td> <td>2 No's vehicle 24*7</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>No</th> <th>Role / Position</th> <th>No of Personnel</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Incident Operations Staff</td> <td>1 per 5 VIDES per shift</td> </tr> </tbody> </table>	1	Operation & Maintenance (O&M) Manpower	Minimum manpower requirement for each Command and Control Centre	a.	Traffic Manager	1 in General shift	b.	Shift Supervisor	1 in each shift + reliever	c.	Maintenance Manager - Operations	1 in General shift	d.	Traffic Operations Staff	1 per 15 TMCS camera + reliever.	e.	System Maintenance Engineer	3 in each shift + reliever.	f.	Data Analyst	1 in General shift	g.	Database/IT Admin	1 in each shift + reliever	h.	Incident Operations Staff	2 in each shift + reliever	i.	Highway O&M Analyst	1 in General shift	j.	Office Assistant (1 at each shift)	1 in each shift + reliever	k.	Maintenance Vehicle with Driver and helper	2 No's vehicle 24*7	No	Role / Position	No of Personnel	4	Incident Operations Staff	1 per 5 VIDES per shift	The no. of resources for Incident Operation are not matching. As per 4.3.10, O&M 2 resources in each shift +relievers are required and as per Schedule 7 addendum 1 per 5 VIDES per shift is required, please confirm, what needs to be followed.		EFKON India Private Limited	The requirement mentioned in the RFP are minimum. Bidder should meet all the functional criteria in their ATMS Solution.
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40	142	3.4 Technical Requirements	1.....Vehicle characteristics and vehicle class shall be discernible from distance of 500 metres from the camera (at full optical zoom)	The range of the lens is mentioned 3.5mm to 129mm or better on page 147 which means zoom of the camera should be minimum 37X which contradicts with the optical zoom requirements mentioned (35X) in point no. 8 on page 142 of the same section. We understand bidder needs to provide a camera of minimum 37X or better. Please confirm, if understanding is correct.		EFKON India Private Limited	RFP mentions the minimum requirements. Contractor shall design solution to meet the functional requirements mentioned in the RFP.																																										
41	142	3.4 Technical Requirements	6. Cameras shall have inbuilt IR illuminator of 100 meters for night vision functionalities.	Please confirm if bidder needs to quote TMCS camera with minimum range of 500 meters viewing (DAY/Night) or Cameras with inbuilt IR illuminator of 100 meters for night vision and 500 meters at day time are acceptable with min 37X zoom.		EFKON India Private Limited	RFP mentions the minimum requirements. Contractor shall design solution to meet the functional requirements mentioned in the RFP.																																										
42	145	Chapter 4 VIDES	4.1 Scope, Point 2.....In very poor visibility conditions such as during winter, fog/smog, the system shall detect the condition of poor visibility and generate visual alerts.	We understand the purpose is to provide alerts incase camera sensor is not able to see the view incase of FOG/SMOG or bad weather. Please confirm, if understanding is correct.		EFKON India Private Limited	As per RFP. Understanding is correct.																																										

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43	176	9.8 External data connectivity to the NHAI ATMS Cloud and the NHAI ATMS Master, Regional or Traffic Police Control Centers	A suitable leased - line (wired or wireless) supporting a minimum 100 mbps data link shall be provided by the service provider.....	1) We understand 100 Mbps link is mandatory to be quoted and charges for the same shall be included in O&M for 60 months item. Please confirm, if understanding is correct. 2) Please also confirm, if this link shall be at both the control rooms or at a single control room only.		EFKON India Private Limited	Refer Corrigendum
44	187	C. Incident/Accident Management Module	iv. Aiding online tracking (via GPS) of the various O&M vehicles...	We understand that this shall be limited to 4 nos of maintenance vehicles, which are under the scope of the bidder/contractor of this project. Please confirm, if understanding is correct.		EFKON India Private Limited	As per RFP. Understanding is correct.
45	190	10.3.5 Integrated Audio Communication Unit	10.3.5 Integrated Audio Communication Unit	We understand the purpose of this software module at control room is to record the incoming phone calls at control room only. Please confirm, if understanding is correct.		EFKON India Private Limited	As per RFP.
46	202	12.6 Enhancement of ATMS for disaster management	a) Satellite Telephone at the ATMS control centre to communicate with the NDRF and related agencies...	We understand this won't be under the scope of the current RFP as this requires approval from ministry and if required shall be provided by Authority only. Please confirm, if understanding is correct.		EFKON India Private Limited	As per RFP. Understanding is correct.
47	-	Financial Bid_v1	ATMS Software including 3 party software, Map, GIS, GUI, CC, Module Controller, Central AI, Integration with VAHAN, 1033/CAD, Rajmarg app etc all complete as per the Standards & Specifications	We understand the quantity for this item should be 2 as there are two control rooms in this project. Please confirm if understanding is correct and amend the quantity in Financial bid sheet as quantity is locked.		EFKON India Private Limited	Refer Corrigendum
48	-	Financial Bid_v1	Interior, Civil, Mechanical, Electrical and other allied works including CCTV cameras etc. as per Schedule B	We understand the quantity for this item should be 2 as there are two control rooms in this project. Please confirm if understanding is correct and amend the quantity in Financial bid sheet as quantity is locked.		EFKON India Private Limited	Refer Corrigendum
49	-	Financial Bid_v1	Video wall for Tunnel Camera Feed	We understand there are no Tunnel cameras in this project and hence this item is not relevant. Please confirm, if understanding is correct.		EFKON India Private Limited	Refer Corrigendum
50	-	-	General Query: Existing Infra	We understand that there is no existing infra (e.g. Gantries, Conduits etc.) are available to be reused in this project. Please confirm, if understanding is correct.		EFKON India Private Limited	Please refer Schedule - B, bidders are requested to visit the site for getting clarity on availability of existing infra.
51	107	Addendum to schedule - C	Separate video wall shall be provided for VIDES with minimum 75" full HD Monitor	We understand this will be a dedicated 75 inch HD monitor only and not a video wall. Please confirm.		EFKON India Private Limited	As per RFP - For VIDES monitoring, apart from dedicated workstations, a 75" full HD monitor is required in each Command Center.
52	98	4.3.2.2 Integration of GNSS based Electronic Toll Collection	The VIDES solution shall be used for stationary validation of GNSS based Electronic Toll Collection. For this purpose ATMS contractor will have to prepare a common web-interface/set of APIs for NHAI or its representatives to query any vehicle registration Number (VRN) and get each 'instance' of the respective vehicle passing through the VIDES location under the entire stretch in the last 30 days.	With reference to the clause 4.5 of the schedule C, we understand that this is only for standard & near standard number plates. Please confirm.		EFKON India Private Limited	As per RFP.

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53	82	1.2.20.	<table border="1"> <thead> <tr> <th>Milestone</th> <th>Work Description</th> <th>Payment (%) of (Contract Price)</th> </tr> </thead> <tbody> <tr> <td colspan="3">Construction Period</td> </tr> <tr> <td>I</td> <td>Approval of Design, Drawings, and Documentation pursuant to Schedule-C</td> <td>5%</td> </tr> <tr> <td>II</td> <td>Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone</td> <td>10%</td> </tr> <tr> <td>III</td> <td>Supply and Installation of TMCS, VIDES & VASD Systems</td> <td>10%</td> </tr> <tr> <td>IV</td> <td>Supply and Installation of VMS Equipment including supply of portable VMS</td> <td>5%</td> </tr> <tr> <td>V</td> <td>Supply and Installation of ATMS Command and Control Center Equipment including Set-up of all the modules given in Schedule-C, Office space etc.</td> <td>10%</td> </tr> <tr> <td>VI</td> <td>Testing, Commissioning and Successful Trial Run of entire ATMS Facility</td> <td>10%</td> </tr> <tr> <td colspan="2">Total (A)</td> <td>50%</td> </tr> <tr> <td colspan="3">Operation & Maintenance Period</td> </tr> <tr> <td colspan="3">The ATMS Contractor shall be paid Quarterly O&M payments after the issue of completion certificate during the O&M Period as follows:</td> </tr> <tr> <td colspan="2">1st Year of O&M – Four equal quarterly payments @ 2%</td> <td>8%</td> </tr> <tr> <td colspan="2">2nd Year of O&M – Four equal quarterly payments @ 2.25%</td> <td>9%</td> </tr> <tr> <td colspan="2">3rd Year of O&M – Four equal quarterly payments @ 2.5%</td> <td>10%</td> </tr> <tr> <td colspan="2">4th Year of O&M – Four equal quarterly payments @ 2.75%</td> <td>11%</td> </tr> <tr> <td colspan="2">5th Year of O&M – Four equal quarterly payments @ 3%</td> <td>12%</td> </tr> <tr> <td colspan="2">Total (B)</td> <td>50%</td> </tr> <tr> <td colspan="2">Grand Total (A+B)</td> <td>100%</td> </tr> </tbody> </table>	Milestone	Work Description	Payment (%) of (Contract Price)	Construction Period			I	Approval of Design, Drawings, and Documentation pursuant to Schedule-C	5%	II	Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone	10%	III	Supply and Installation of TMCS, VIDES & VASD Systems	10%	IV	Supply and Installation of VMS Equipment including supply of portable VMS	5%	V	Supply and Installation of ATMS Command and Control Center Equipment including Set-up of all the modules given in Schedule-C, Office space etc.	10%	VI	Testing, Commissioning and Successful Trial Run of entire ATMS Facility	10%	Total (A)		50%	Operation & Maintenance Period			The ATMS Contractor shall be paid Quarterly O&M payments after the issue of completion certificate during the O&M Period as follows:			1st Year of O&M – Four equal quarterly payments @ 2%		8%	2nd Year of O&M – Four equal quarterly payments @ 2.25%		9%	3rd Year of O&M – Four equal quarterly payments @ 2.5%		10%	4th Year of O&M – Four equal quarterly payments @ 2.75%		11%	5th Year of O&M – Four equal quarterly payments @ 3%		12%	Total (B)		50%	Grand Total (A+B)		100%	75% of costs are Capital intensive and 25% are OPEX based. It is not justified to hold 50% value for operation & maintain ace period. Majorly all suppliers are MSME's wherein PMO's vide letter (DO No NP/81/c/84/20H-ES 2019) clearly states facilitation to MSME and restricts from incorporate practices. Up to 25% on opex is requested.		Tollman International Pvt. Ltd	As per RFP
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54	81	1.2.17.2.	<p>1. Staff working without safety gears – damages of INR 10,000 per instance.</p> <p>2. Improper safety measures at site / safety hazard to the commuters due to poor workmanship, etc.,, minimum damages of INR 1,00,000 per instance shall be imposed</p> <p>3. The damages will be applied @ 1 % of the total Contract Value per week up to a maximum of 10 % of the Contract value.</p>	Criteria for penalties is high. Request to kindly amend to 1. INR 1,000 for Staff working without safety gears. 2. INR 5,000 for Improper safety measures at site / safety hazard to the commuters due to poor workmanship, etc., 3. The damages will be applied @ 0.5 % of the total Contract Value per week up to a maximum of 1 - 5 % of the Contract value.		Tollman International Pvt. Ltd	As per RFP																																																						
55	13	PQ 2	The Bidder , in case of JV/consortium, the lead member shall meet at least 70 % requirement of average annual turnover & other member of shall meet at least 20 % requirement of average annual turnover minimum Indian Rupees 50 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23	The lead member shall meet at least 51 % requirement of average annual turnover & other member of shall meet at least 30 % requirement of average annual turnover minimum Indian Rupees 50 Crore		Tollman International Pvt. Ltd	As per RFP																																																						
56	13	PQ – 4	The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years.	All the previous tenders from NHAI, IHMCL directs Joint venture/Consortium wherein both partners are equally responsible not necessary in the same field of business. Required JV criteria from same field of business is restrictive and being specific to only few bidders to participate.		Tollman International Pvt. Ltd	As per RFP																																																						
57			The estimated cost of the Project	In order to submit financial proposal prospective bidder needs estimate of the project. Without the estimation of the project value/ O&M charges is not achievable.		Tollman International Pvt. Ltd	As per RFP																																																						
58	103 of 113	Instance Based Deduction	<table border="1"> <thead> <tr> <th>Instance</th> <th>Criteria</th> <th>Penalty</th> </tr> </thead> <tbody> <tr> <td>API based Data Sharing with NHAI ERP/MIS System</td> <td>API or Upload based sharing of reports from ATMS software to NHAI ERP as prescribed in the contract and any notification/circulars issued from time to time.</td> <td>5000/- per instance of data sharing missed by SI at prescribed schedules.</td> </tr> </tbody> </table>	Instance	Criteria	Penalty	API based Data Sharing with NHAI ERP/MIS System	API or Upload based sharing of reports from ATMS software to NHAI ERP as prescribed in the contract and any notification/circulars issued from time to time.	5000/- per instance of data sharing missed by SI at prescribed schedules.	The penalties are huge for a new technology and also the non-standardization of the vehicles, appearance, license plates and environmental conditions. We request you to kindly remove this clause.		Tollman International Pvt. Ltd	As per RFP																																																
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60	Page No. 15 of 107	PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	<p>b) The bidder should own their proprietary ATMS integrated software having integration with the required subsystems and that should be in operation since last one year from bid due date. All IPR, source code etc. of the ATMS software should be owned by the Sole Bidder / either member of Consortium, Documentary evidence shall be submitted along with the bid confirming the ownership and the operational period of more than one year. For operational period confirmation, a certificate from authorized signatory of their client (IHMCL or any other Govt. Authority) may be submitted with a brief write-up on their ATMS application with screenshots of module like TMCS, VIDS, VSDS, VMS, etc.</p> <p>Note- Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered.</p>	<p>We request you to amend the clause as mentioned below:</p> <p>b) The bidder/Proposed OEM should own their proprietary ATMS integrated software having integration with the required subsystems and that should be in operation since last one year from bid due date. All IPR, source code etc. of the ATMS software should be owned by the Sole Bidder / either member of Consortium/Proposed OEM, Documentary evidence shall be submitted along with the bid confirming the ownership and the operational period of more than one year. For operational period confirmation, a certificate from authorized signatory of their client (IHMCL or any other Govt. Authority) may be submitted with a brief write-up on their ATMS application with screenshots of module like TMCS, VIDS, VSDS, VMS, etc.</p> <p>Note- Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered</p>		L&T Technology Services	As per RFP
61	Page No. 13 of 107	PQ 2 - Annual Turnover	The Bidder shall have a Minimum Average Annual TurnOver (updated to the price level of the year based on factors indicated in table below) of Rs 50 Crore for the last 3(three) financial years.	<p>Considering the significant amount of ICT work requirement in the project, the turnover requirement asked as per tender is very minimal. We request you to increase the turnover requirement and amend the clause as mentioned below so that bidders with good financial credentials and competency can participate.</p> <p>The Bidder shall have a Minimum Average Annual TurnOver (updated to the price level of the year based on factors indicated in table below) of Rs 50 Crore 300 Crores for the last 3(three) financial years.</p>		L&T Technology Services	As per RFP
62	Page No. 80 of 107	1.2.16. Time Schedule	<p>Design, Supply, Installation, Testing, Commissioning and Trial Run of the ATMS - Six Months from the handing over of site</p> <p>Operation & Maintenance - Five years from the successful commissioning and trial run of the ATMS and issue of completion certificate by IHMCL/IHMCL's representative</p>	<p>We request you to amend the Time schedule as mentioned below:</p> <p>Design, Supply, Installation, Testing, Commissioning and Trial Run of the ATMS - Six Months 12 Months from the handing over of site</p> <p>Operation & Maintenance - Five years from the successful commissioning and trial run of the ATMS and issue of completion certificate by IHMCL/IHMCL's representative</p>		L&T Technology Services	Refer Corrigendum
63	Page No. 80 of 107	1.2.17. Damages	<p>Damages for Delay in completion of work:</p> <p>Damages will be applied @ 1% of the total contract value per week up to a maximum of 10% of the Contract Value</p>	<p>Levying of penalty on full contract price is not justified and we request that the LD penalty should be levied on the only the Undelivered value of delayed items / works. We request you to amend the clause as mentioned below:</p> <p>Damages will be applied @ 1% 0.5% of the total contract value undelivered value per week up to a maximum of 10% of the Contract Value</p>		L&T Technology Services	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
64	Page No. 82 of 107	1.2.20. Payment Schedule	<p><u>Construction Period</u> I) Approval of Design, Drawings and Documentation pursuant to Schedule-C - 5% of CV II) Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone - 10% of CV III) Supply and Installation of TMCS, VIDES & VASD System - 10% of CV IV) Supply and Installation of VMS Equipment including supply of portable VMS - 5% of CV V) Supply and Installation of ATMS Command and Control Center Equipment including Set-up of all the modules given in Schedule-C, Office space etc - 10% of CV VI) Testing, Commissioning and Successful Trial Run of entire ATMS Facility - 10% of CV</p> <p><u>Operation & Maintenance Period</u> 1st year O&M - Four equal quarterly payments @ 2% - 8% of CV 1st year O&M - Four equal quarterly payments @ 2.25% - 9% of CV 1st year O&M - Four equal quarterly payments @ 2.5% - 10% of CV 1st year O&M - Four equal quarterly payments @ 2.75% - 11% of CV 1st year O&M - Four equal quarterly payments @ 3% - 12% of CV</p>	<p>As you would appreciate that bidders need to pay upfront to all the OEMs for getting the material delivered on time and there is a significant amount of capex investment required for Team mobilization and office setup, we request that an interest free Mobilization advance of 10% TCV to be released against submission of ABG. This shall allow the bidders to manage the cashflow properly and project shall be completed on time successfully. Apart from the above, we request you to change the Payment schedule as amended below:</p> <p><u>Construction Period</u> - Mobilization Advance - 10% of CV against submission of ABG for equivalent value. I) Approval of Design, Drawings and Documentation pursuant to Schedule-C - 5% of CV II) Supply of material - 45% of CV on prorata basis III) Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone - 10% 5% of CV on prorata basis III) Supply and Installation of TMCS, VIDES & VASD System - 10% 5% of CV on prorata basis IV) Supply and Installation of VMS Equipment including supply of portable VMS - 5% of CV 5% of CV on prorata basis V) Supply and Installation of ATMS Command and Control</p>		L&T Technology Services	As per RFP
65	General	General	Evaluation Criteria	<p>We request you to amend the criteria to QCBS.</p> <p>Kindly replace the criteria as mentioned below: The method of selection is QCBS. The weightage given to the Technical and Financial scores will be 70% and 30% respectively The Contract will be awarded to the bidder scoring maximum marks in technical and financial evaluations as per the qualifying criteria. QCBS evaluation formula: For Quality and Cost based Evaluation (QCBS), the following formula will be used for the evaluation of the bids. The scores will be calculated as: $B_n = 0.7 * T_n + (0.3) * (C_{min} / C_b * 100)$ Where B_n = overall score of bidder under consideration. (Calculated up to two decimal points). T_n = Technical score for the bidder under consideration. C_b = Actual price quoted by the bidder. C_{min} = Lowest price among the financial proposals under consideration.</p> <p>Based on the above, we request you to add the criteria for Technical Evaluation experience and marking criteria.</p>		L&T Technology Services	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
66	Page 101 of 107	4.3.9. Power Supply for ATMS Command & Control Center and Field Equipment	The fixed charges, installation charges, recurring charges, electricity bill, DG set fuel, maintenance etc. for each field equipment, ATMS Control Centre, Contractor's site office, or any other facility being used by the Contractor under the scope of this Contract shall be in the scope of the Contractor only for the entire Contract period i.e. Design phase, procurement, installation, testing, trail-run, commissioning, operations and maintenance period. The Authority shall not responsible for any provision for power supply during implementation as well as operations and maintenance period.	We would like to highlight here that recurring charges like electricity, fuel etc are variable cost which cannot be estimated for next 5 years of duration. All these cost depends upon various variable factors like power consumption of the equipment, rate card of the electricity, power availability at actuals etc hence it is not a right approach for asking the contractor to include all these charges in the bid. We suggest these variable charges like recurring cost for electricity , fuel etc need to be paid as per actuals to the contractor and not to be included in the bid value. This has been a standard practice in all major ICT projects.		L&T Technology Services	As per RFP.
67	Page 92 of 107	1.2.1. Dates for providing Right of Way of Construction Zone	ROW is available and no additional land is required.	We understand that there shall be no additional charges for the Right of way which need to be considered by the contractor. Kindly confirm. We understand that there shall be no additional charges for the Reinstatement which need to be considered by the contractor. Kindly confirm.		L&T Technology Services	As per RFP.
68	Page no.16 of 107	4.2. Eligible Goods and Services, and Original Equipment Manufacturer (OEM) Criteria	OEM of each component/equipment shall be preferably Indian OEM/Manufacturers or preferably Class-I Local supplier (as defined in DPIIT Order no.P-45021/2/2017-PP (BE-II) dated 04.06.2020 (revised "Public Procurement (Preference to Make in India) Order 2017") having direct presence in India and own service and support offices to ensure smooth after service support on site.	Kindly revise the clause for more OEM participation.		L&T Technology Services	As per RFP
69	Page no. 92 of 107	1.1.2. Toll Plaza/ ATMS Control Centre Location	Location of the Command and Control Centre	Kindly share the LAT LONG of the Command and Control Centre		L&T Technology Services	As per RFP. The location of the Control Centres is provided in the RFP. The bidder may exercise their own due diligence at site
70	103 of 113 (Sch-C)	Instance Based Deduction	API based Data Sharing with NHAI ERP/MIS System – Rs. 5000 per instance	The penalties are massive for this innovative technology for such kind of instance, Kindly take away such kind of clauses		Abhi Infracolution Pvt. Ltd.	As per RFP
71	104 of 113 (Sch-C)	Instance Based Deduction	Remote Video Check : Rs. 5000/- per camera per day	The penalties are massive for this innovative technology for such kind of instance, Kindly take away such kind of clauses		Abhi Infracolution Pvt. Ltd.	As per RFP
72	13 of 107	PQ – 4, Relevant Field of Business	The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years.	<u>Either partner of JV / Consortium</u> should qualify the PQ-4 : . Operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEMat least five (5) years		Abhi Infracolution Pvt. Ltd.	As per RFP
73			Estimated cost of the Project	Please provide the Estimate of the projects to prepare the complete offer.		Abhi Infracolution Pvt. Ltd.	As per RFP
74	65-66 OF 107	Form F 1, F 2,	Format for financial Bid Submission, Cost Break up	Estimate of the Project will provide idea towards the arrangement of the fund time to time. Please provide the Estimate of the project.		Abhi Infracolution Pvt. Ltd.	As per RFP
75	65-67 OF 107	Form F 1, F 2,	Format for financial Bid Submission, Cost Break up	Quantity of the equipment will help to prepare the cost of the project. Kindly provide the quantity of the equipment		Abhi Infracolution Pvt. Ltd.	As per RFP
76	82 OF 107	Payment Schedule		70-80 % cost for capex should be released instead of 50 % at the end of testing, commissioning of installed equipment as it retains heavy investment of bidder and it will give more ease to other operations at site as well.		Abhi Infracolution Pvt. Ltd.	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
77	Page no 14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA	<p>The Sole Bidder or any Member(s) of the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned qualifying components of ITS/ATMS Project in Minimum 100 Kms (cumulative) of Highway /Expressway</p> <p>OR</p> <p>Minimum 3 Smart City in India or abroad for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main Contractor within last 05 years prior as on the Bid due date.</p> <p>Note: The project/s shall be Complete, or in Operation. Completion Certificate / Current Performance Certificate signed by the Authorized Signatory of the Client should be submitted in the technical bid.</p> <p>Qualifying Components of ITS/ATMS Projects:</p> <p>For the purpose of evaluation a qualifying project shall be defined as under -</p> <p>a) A qualifying Project should inter-alia mandatorily include a dedicated Command Control center with integrated centralized integrated software, Video wall, workstations,contact centre /helpdesk and integrated with at least any 2 (TWO) of the following sub-systems/ components:</p> <p>i. Traffic Monitoring Camera System (TMCS) /Traffic Surveillance System</p> <p>ii. Vehicle Speed Detection System (VSDES) – Radar/ANPR Camera based solution</p> <p>iii. Video Incident Detection System (VIDS)/ Video Incident Detection and Enforcement System (VIDES)</p> <p>iv. Incident Enforcement System with integration with VAHAN/NIC for e-challan</p> <p>AND</p> <p>b) The bidder should own their proprietary ATMS integrated software having</p>	<p>We would request to kindly amend/Relax the clause as mentioned below:</p> <p>The Sole Bidder or any Member(s) or the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned qualifying components of ITS/ATMS Project in Minimum 100 Kms (cumulative) of Highway / Expressway /The Sole Bidder or any Member(s) or the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned have exeuted CCTV City Surveillance project.</p> <p>OR</p> <p>Minimum 3 Smnrt City in India or abroad for Central/State Government department/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main contractor within last 05 year prior as on the Bid Due Date.</p> <p>Note: The project/s shall be complete, or in Operation, Completion Certificate/Current Performance Certificate signed by the Authorised Signatory of the Client should be submitted in the technical bid.</p> <p>Qualifying Componrnnts of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be</p>	<p>We intent to participate in your valuable tender and as per present clause it is restricting us to participate ,hence we would request to consider our request for larger participation and healthy competition</p>	Millennium Automation Private Limited.	As per RFP
78	Payment Schedule Page no 82	4.1.Pre-Qualification	<p>Approval of Design, Drawings, and Documentation pursuant to Schedule-C 5%</p> <p>Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone 10%</p> <p>Supply and Installation of TMCS, VIDES & VASD System 10%</p> <p>Supply and Installation of VMS Equipment including supply of portable VMS 5%</p> <p>Supply and Installation of ATMS Command and Control Center Equipment including Set-up of all the modules given in Schedule-C, Office space etc 10%</p> <p>Testing, Commissioning and Successful Trial Run of entire ATMS Facility 10%</p>	<p>We would request to amend the payment terms as 70% against all the below mentioned milesotes to maintain cash flow</p> <p>Approval of Design, Drawings, and Documentation pursuant to Schedule-C 10%</p> <p>Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone 20%</p> <p>Supply and Installation of TMCS, VIDES & VASD System 20%</p> <p>Supply and Installation of VMS Equipment including supply of portable VMS 10%</p> <p>Supply and Installation of ATMS Command and Control Center Equipment including Set-up of all the modules given in Schedule-C, Office space etc 5%</p> <p>Testing, Commissioning and Successful Trial Run of entire ATMS Facility 5%</p>	<p>We intent to participate in your valuable tender and as per present clause it is restricting us to participate ,hence we would request to consider our request for larger participation and healthy competition</p>	Millennium Automation Private Limited.	As per RFP
		PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation	<p>Operation & Maintenance Period</p> <p>The ATMS Contractor shall be paid Quarterly O&M payments after the issue of completion certificate during the O&M Period as follows:</p> <p>1st Year of O&M – Four equal quarterly payments @ 2%</p> <p>2nd Year of O&M – Four equal quarterly payments @ 2.25%</p> <p>3rd Year of O&M – Four equal quarterly payments @ 2.5%</p> <p>4th Year of O&M – Four equal quarterly payments @ 2.75%</p> <p>5th Year of O&M – Four equal quarterly payments @ 3%</p>	<p>We would request to amend the payment terms for as mentioned below Operation & Maintenance Period</p> <p>The ATMS Contractor shall be paid Quarterly O&M payments after the issue of completion certificate during the O&M Period as follows:</p> <p>1st Year of O&M – Four equal quarterly payments @ 6%</p> <p>2nd Year of O&M – Four equal quarterly payments @ 6%</p> <p>3rd Year of O&M – Four equal quarterly payments @ 6%</p> <p>4th Year of O&M – Four equal quarterly payments @ 6%</p> <p>5th Year of O&M – Four equal quarterly payments @ 6%</p>	<p>We intent to participate in your valuable tender and request to consider and amend the payment terms for larger participation and healthy competition</p>	Millennium Automation Private Limited.	As per RFP
79	Scope of Work	System (ITS)	Our clarifiaction under scope of work we would request to clarify	Please clarify ROW permission will be provided by electricity will be provided by and charges during project execution and O&M period from Civic agencies during project execution and O&M Period		Millennium Automation Private Limited.	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL								
			Our clarification under scope of work we would request to clarify	Please clarify electricity will be provided by electricity will be provided by and charges during project execution and O&M period and charges during project execution and O&M period		Millennium Automation Private Limited.	As per RFP								
			Our clarification under scope of work we would request to clarify	Please elaborate detailed Scope of work for better understanding which will help us in submitting our comprehensive and competitive bid		Millennium Automation Private Limited.	As per RFP								
80	13	PQ 2 - Annual Turnover	The Bidder shall have a minimum average annual turn over (updated to the price level of the year based on Factor indicated in table below) of Rs 50 Crore for the last 3 three Financial years. <table border="1"> <thead> <tr> <th>Year</th> <th>Year -1</th> <th>Year -2</th> <th>Year -3</th> </tr> </thead> <tbody> <tr> <td>Update Factor</td> <td>1</td> <td>1.05</td> <td>1.1</td> </tr> </tbody> </table>	Year	Year -1	Year -2	Year -3	Update Factor	1	1.05	1.1	Requesting relaxation for Start-up of all categories as per startup promotion guideline.		Devaditya Technocrats LLP	As per RFP
Year	Year -1	Year -2	Year -3												
Update Factor	1	1.05	1.1												
81	13	PQ – 4 Relevant Field of Business	The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years as on bid due date. Information regarding the same should be provided along with documentary evidence.	Requesting relaxation for Start-up of all categories as per startup promotion guideline		Devaditya Technocrats LLP	As per RFP								
82	4.1.Pre-Qualification Criteria PQ 2 - Annual Turnover	13	PQ 2 - Annual Turnover Over (updated to the price level of the year based on factors indicated in table below) of Rs 50 Crore for the last 3(three) financial years. <table border="1"> <thead> <tr> <th>Year</th> <th>Year-1</th> <th>Year-2</th> <th>Year-3</th> </tr> </thead> <tbody> <tr> <td>Update Factor</td> <td>1.00</td> <td>1.05</td> <td>1.10</td> </tr> </tbody> </table> In case of a Joint Venture/Consortium, the Lead Member shall meet atleast 70% requirement of Minimum Average Annual Turnover and the other Member shall meet atleast 20% requirement of Minimum Average Annual Turnover. For avoidance of doubt it is further clarified that the Joint Venture must collectively and individually satisfy the above qualification criteria i.e. JV shall cumulatively/collectively fulfill the 100% requirement	Year	Year-1	Year-2	Year-3	Update Factor	1.00	1.05	1.10	For wider participation, we request you to please amend the clause as under : Average Annual Turnover 30 cr.in last 3 years ending last day of the month previous to the month of tender submission or as on bid dure date.		EAST INDIA UDYOG LIMITED	As per RFP
Year	Year-1	Year-2	Year-3												
Update Factor	1.00	1.05	1.10												
83	4.1.Pre-Qualification Criteria PQ – 4 Relevant Field of Business	13	PQ – 4 Relevant Field of Business The Sole Bidder, or all members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years as on bid due date. Information regarding the same should be provided along with documentary evidence.	For wider participation, we request you to please amend the clause as under : The Sole Bidder, or any members of the JV/Consortium in the case of a Consortium, should be operating in the field of Software development/ IT solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years as on bid due date. Information regarding the same should be provided along with documentary evidence.		EAST INDIA UDYOG LIMITED	As per RFP								

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
84	4.1.Pre-Qualification Criteria PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	14	The Sole Bidder or any Member(s) of the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned qualifying components of ITS/ATMS Project in Minimum 100 Kms (cumulative) of Highway / Expressway OR Minimum 3 Smart City in India or abroad for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main Contractor within last 05 years prior as on the Bid due date. Note: The project/s shall be Complete, or in Operation. Completion Certificate / Current Performance Certificate signed by the Authorized Signatory of the Client should be submitted in the technical bid. Qualifying Components of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be defined as under - a) A qualifying Project should inter-alia mandatorily include a dedicated Command Control center with integrated centralized integrated software, Video wall, workstations, contact centre /helpdesk and integrated with at least any 2 (TWO) of the following sub-systems/ components: i. Traffic Monitoring Camera System (TMCS) / Traffic Surveillance System ii. Vehicle Speed Detection System (VSDS) – Radar/ANPR Camera based solution iii. Video Incident Detection System (VIDS)/ Video Incident Detection and Enforcement System (VIDES) iv. Incident Enforcement System with integration with VAHAN/NIC for e-challan	For wider participation, we request you to please amend the clause as under : The Sole Bidder or any Member(s) of the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned qualifying components of ITS/ATMS Project in Minimum 80 Kms (cumulative) of Highway / Expressway OR Minimum 3 Smart City or similar large project in India or abroad for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main Contractor within last 05 years prior as on the Bid due date. Note: The project/s shall be Complete, or in Operation. Completion Certificate / Current Performance Certificate signed by the Authorized Signatory of the Client/ Self Declaration should be submitted in the technical bid. Qualifying Components of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be defined as under - a) A qualifying Project should inter-alia mandatorily include a dedicated Command Control center with integrated centralized integrated software, Video wall, workstations, contact centre /helpdesk and integrated with at		EAST INDIA UDYOG LIMITED	As per RFP
85	4.1.Pre-Qualification Criteria PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	14	b) The bidder should own their proprietary ATMS integrated software having integration with the required subsystems and that should be in operation since last one year from bid due date. All IPR, source code etc. of the ATMS software should be owned by the Sole Bidder / either member of Consortium, Documentary evidence shall be submitted along with the bid confirming the ownership and the operational period of more than one year. For operational period confirmation, a certificate from authorized signatory of their client (IHMCL or any other Govt. Authority) may be submitted with a brief write-up on their ATMS application with screenshots of module like TMCS, VIDS, VSDS, VMS, etc.	For wider participation, we request you to please amend the clause as under : b) The bidder should own their proprietary ATMS integrated software having integration with the required subsystems and that should be in operation since last one year from bid due date. All IPR, source code etc. of the ATMS software should be owned by the Sole Bidder / either member of Consortium/ quoted OEM , Documentary evidence shall be submitted along with the bid confirming the ownership and the operational period of more than one year. For operational period confirmation, a certificate from authorized signatory of their client (IHMCL or any other Govt. Authority/ Self Declaration) may be submitted with a brief write-up on their ATMS application with screenshots of module like TMCS, VIDS, VSDS, VMS, etc.		EAST INDIA UDYOG LIMITED	As per RFP
86	Pg 13 of 111	PQ 2 - Annual Turnover	The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 50 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23	We request authority to kindly Amend the Annual Turnover criteria to 40 Cr as there are very limited companies in the industry having more than 50Cr of turnover.	Average Turnover couldnt be met due to COVID.	Metro Infrasyas	As per RFP
87	Pg 82 of 111	1.2.20	Construction Period I. Approval of Design, Drawings, and Documentation pursuant to Schedule-C - 5%	We request authority to kindly provide relaxation in payment terms and consider 10% of the bid value against completion of stage I of construction period.	By this way system integrator will get 60% Total Payment in Construction Phase and rest	Metro Infrasyas	As per RFP
88	Pg 82 of 111	1.2.20	Construction Period II. Supply and Installation of VMS Equipment including supply of portable VMS - 5%	We request authority to kindly provide relaxation in payment terms and consider 10% of the bid value against completion of stage II of construction period.	40% In O&M Phase.	Metro Infrasyas	As per RFP

S. No.	RFP Page No	Clause	RFP Statement	Query	Remarks	Name of the Bidder	Draft Reply IHMCL
89	Pg 82 of 111	1.2.20	Operation and Maintenance period 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2.25% 3rd Year of O&M – Four equal quarterly payments @ 2.5% 4th Year of O&M – Four equal quarterly payments @ 2.75% 5th Year of O&M – Four equal quarterly payments @ 3%	We request authority for Amendment as follows: 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2% 3rd Year of O&M – Four equal quarterly payments @ 2% 4th Year of O&M – Four equal quarterly payments @ 2% 5th Year of O&M – Four equal quarterly payments @ 2%	40% Payment in Operation and Maintenance Phase divided equally in 5 years @8% of O&M value.	Metro InfrasyS	As per RFP
90	Pg 88 of 111	1.2.34	Termination IHMCL, in its sole discretion and for any reason whatsoever, may terminate this Contract Agreement for dereliction in performance of stipulated duties by the Contractor.	Needs to be modified - "IHMCL, in its sole discretion and for any reason whatsoever, after providing due notice and time to resolve, may terminate this Contract Agreement for dereliction in performance of stipulated duties by the Contractor."	Termination Clause	Metro InfrasyS	As per RFP
91	Pg 100 of 111	4.3	Equipment site plan / Indicative Equipment Location: The Bidder shall conduct the site survey and propose the ATMS sub-system location in the Technical Proposal. The location provided in this document shall be treated as indicative, The successful Bidder, in consultation with the IHMCL / IHMCL representative, have to ascertain the indicative locations and propose the appropriate equipment location during the design phase of the Contract. The successful bidder during design phase of the contract shall provide equipment locations duly marked in the KMZ file of the project highway.	We request authority to kindly provide KMZ file/ Plan and profile/ Cad file of project location so as plotting can be done while preparing technical documents.	KMZ File/ Cad/ Plan and profile	Metro InfrasyS	Refer Corrigendum
92		General		We request authority to kindly extend bid due date by atleast 4 weeks from the date of latest corrigendum/addendum release. This ample time will allow us to collate documents from OEM/Vendors and submit the quality technical & financial bid.	Bid submission due date extension.	Metro InfrasyS	Refer Corrigendum
93	Pg 66 of 111	Form F-2 - Cost Breakup	F-ATMS Control Centre	We request authority to kindly provide complete BOQ of All ATMS equipment to be installed on field as well as control centre to allow fair participation and coparison of financial amongst all the bidders.	ATMS BOQ required.	Metro InfrasyS	As per RFP.
94	Pg 92 of 111	1.1.1.	Site	Kindly provide the detailed BOQ of ATMS Field Equipment.		Metro InfrasyS	As per RFP
95	Pg 14 of 111	PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	Minimum 3 Smart City in India or abroad for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor or as a System Integrator of main Contractor within last 05 years prior as on the Bid due date.	What kind of Experience is required to qualify for Smart city Experience. Will the Tender Awarded by Municipal Authorities such as GMDA, MCD, HMWSSB (Hyderabad), Police Department qualify?	Need to have understanding on Experience that will be considered WRT Smart cities and if experience with PSU's will qualify here.	Interactive Data Systems Limited	Refer RFP Clause 4.1
96	Pg 82 of 111	1.2.20	Construction Period I. Approval of Design, Drawings, and Documentation pursuant to Schedule-C - 5%	We request authority to kindly provide relaxation in payment terms and consider 10% of the bid value against completion of stage I of construction period.	By this way system integrator will get 60% Total Payment in Construction Phase and rest 40% In O&M Phase.	Interactive Data Systems Limited	As per RFP
97	Pg 82 of 111	1.2.20	Construction Period II. Supply and Installation of VMS Equipment including supply of portable VMS - 5%	We request authority to kindly provide relaxation in payment terms and consider 10% of the bid value against completion of		Interactive Data Systems Limited	As per RFP
98	Pg 82 of 111	1.2.20	Operation and Maintenance period 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2.25% 3rd Year of O&M – Four equal quarterly payments @ 2.5% 4th Year of O&M – Four equal quarterly payments @ 2.75% 5th Year of O&M – Four equal quarterly payments @ 3%	We request authority for Amendment as follows: 1st Year of O&M – Four equal quarterly payments @ 2% 2nd Year of O&M – Four equal quarterly payments @ 2% 3rd Year of O&M – Four equal quarterly payments @ 2% 4th Year of O&M – Four equal quarterly payments @ 2% 5th Year of O&M – Four equal quarterly payments @ 2%	40% Payment in Operation and Maintenance Phase divided equally in 5 years @8% of O&M value.	Interactive Data Systems Limited	As per RFP
99	Pg 92 of 111	1.1.1.	Site	Kindly provide the detailed BOQ of ATMS Field Equipment.		Interactive Data Systems Limited	As per RFP