

RFP for the Selection of System Integrator for Design, Supply, Installation, Testing, Commissioning, and Operation & Maintenance of Advanced Traffic Management System (ATMS) on Dwarka Expressway (NH-248BB) and existing Delhi Gurgaon section of NH-48 as one Combined Loop on EPC mode.

RFP No. IHMCL/ATMS/2023/01

Response to Pre-Bid Queries - Published on dated 27.12.2023

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
1		Technical	Request for Addition	The proposed solution should be evaluated for functional / technical compliance through a demonstration/POC process during the technical evaluation of bids. This will ensure a technically qualified product/solution for supply and implementation by successful bidders.Hence, We request that you kindly incorporate proof-Of-Concept (PoC) for technically qualified product or solution participation.		As per RFP.
2	161	Chapter 5: Vehicle Actuated Speed display	5.3 Functional requirements 6. c. Minimum Monitored section length : 500 m	We understand that the proposed system should monitor a minimum section length of 500 meters between two gantries.	Kindly confirm if our understanding is correct.	Please refer corrigendum.
3	161	Chapter 5 Vehicle Actuated Speed Display	5.4 Technical Requirements 6. Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop.	As per the clause, " Under 5.2 Function: 6. Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop" However, according to the clause specifying the capture of "(speed and vehicle image)" for the vehicle image, an additional camera will be required for graphical images on the VASD gantry. This camera requirement is distinct from the VIDES gantry.	The decision on the camera requirement will be determined by the bidder. Alternatively, the system can be installed on the VIDES gantry to capture vehicle images through VIES cameras for the requested functionality under VASD." kindly confirm	Please refer corrigendum.
4	47	Schedule-C (Standards & Specification)	4.4 Video Camera (Overview)-	Sr.No.(g) Electronic Shutter : Manual :1/50s to 1/10000 Sec ,8 Selections possible , Automatic: AES 1/50 to 1/100,000s	Request you to consider Electronic Shutter : Manual: 1/50s to 1/10,000s ,8 Selections possible, Automatic :AES 1/50s to 1/30,000s or better . This change will fulfill all functional & operational requirements of the systems . In Applications we do not use more than 1/50s to 1/10,000s shutter speed.	As per RFP.
5	48	Schedule-C (Standards & Specification)	4.5 ANPR Camera	Sr.No.(g) Electronic Shutter : Manual :1/50s to 1/10000 Sec ,8 Selections possible , Automatic: AES 1/50 to 1/100,000s	Request you to consider Electronic Shutter : Manual: 1/50s to 1/10,000s ,8 Selections possible, Automatic :AES 1/50s to 1/30,000s or better . This change will fulfill all functional & operational requirements of the systems . In Applications we do not use more than 1/50s to 1/10,000s shutter speed.	As per RFP.
6	17	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. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.	Allowing multiple makes and models for a single line item in a tender can present challenges and potential issues, including confusion, increased evaluation complexity, and the potential for disputes. it may lead to variations in the quality and performance of the delivered goods or services. This will also lead selection of cheap solution by bidder over quality and field proven solution.	Hence, We request that you amend the clause as mentioned below for technically qualified product or solution participation. 6. The Bidder shall NOT propose more than two 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. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.	As per RFP.

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10	80	1.2.20.	Payment Terms: a) Construction Period- 50 % b) Operation & Maintenance Period – 50 %	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.		As per RFP.
11	79	1.2.17.2.	1. Staff working without safety gears – damages of INR 10,000 per instance. 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 3. The damages will be applied @ 1 % of the total Contract Value per week up to a maximum of 10 % of the Contract value.	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.		As per RFP.
12	14	PQ2	The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23	Either member of JV/ Consortium member should qualify for financial criteria. Being specific on the Sole Bidder or the Lead Member having turnover over Of INR 60cr. would disqualify JV/ Consortium financial criteria who might have more than 60cr as turnover. Any member may fulfill turnover criteria		As per RFP.
13	14	PQ4	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 NHA, 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.		As per RFP.
14	9	1.1.3	The estimated cost of the Project (the "Estimated Project Cost") has been specified in the clause 1.1.1 above, which is exclusive of Goods & Service Tax (GST) The assessment of actual costs, however, will have to be made by the Bidders.	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.		Please refer corrigendum.
15	11	3.2	The bidder shall furnish as part of its Bid, a Bid Security amounting to Rs 46,00,000/- (Rs Forty-Six Lakhs).	Exemption of EMD and tender fee for MSME. The Government of India has to encourage MSMEs issued guidelines under order no SO581(E)2012 dated 23.03.2012 kindly to be referred.		Please refer corrigendum.

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16	15	P-Q 5	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.	Ongoing project or in-progress to be considered with relevant purchase orders/LOA.		As per RFP.
17	64	Form F-2 - Cost Breakup		As the RFP is following up 2023 ATMS Policy, it has been observed BOQ enclosed is not as per ATMS 2023 policy. For e.g. VMS is mentioned L & M type. Display board is neither mentioned.		Please refer corrigendum.
18	14	PQ 2 - Annual Turnover	i. The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23	Requesting authority to reduce average turnover to 24 Cr for three years.	Turnover should be 10% of the project value as per industry standard.	As per RFP.
19		PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	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 (VSIDS) – 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 for e-challan	As point iii & iv are recent add on to the ATMS 2023, project experience related to these point are lesser, so requesting authority to change the qualifying point.	Request you to consider: Experience claimed by the applicant should inter-alia include at least three of the following ATMS/ITS sub-components. However item (vi) i.e. ATMS/ITS control centre is mandatory: (i) Traffic Monitoring Camera System (ii) Vehicle Speed Detection System (iii) VMS (Variable Message Sign) System (iv) Video based Incident / Violation Detection System (v) Integrated ATMS/ITS Software and System Architecture (vi) ATMS Control Centre integrated with above sub-components (vii) Digital Transmission System with OFC Connectivity	As per RFP.
20	17	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. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.	Allowing multiple makes and models for a single line item in a tender can present challenges and potential issues, including confusion, increased evaluation complexity, and the potential for disputes. It may lead to variations in the quality and performance of the delivered goods or services. This will also lead to selection of cheap solution by bidder over quality and field proven solution.	Hence, We request that you amend the clause as mentioned below for technically qualified product or solution participation. 6. The Bidder shall NOT propose more than two make/model, for each of the component/equipment. Make model shall be specific and any equivalent is not allowed. Providing more than two make / model in the technical proposal (T-9) shall make the bid liable to be rejected. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.	As per RFP.
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24	47	Schedule-C (Standards & Specification)	4.4 Video Camera (Overview)-	Sr.No.(g) Electronic Shutter : Manual :1/50s to 1/10000 Sec ,8 Selections possible , Automatic: AES 1/50 to 1/100,000s	Request you to consider Electronic Shutter : Manual: 1/50s to 1/10,000s ,8 Selections possible, Automatic :AES 1/50s to 1/30,000s or better . This change fullfills the functional & operational requirements of the systems . In Applications we do not use more than 1/50s to 1/10,000s shutter speed.	As per RFP.
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26	13	ELIGIBILITY AND PRE- QUALIFICATION CRITERIA PQ 1 – Legal Entity	1) The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e., 2020-21, 2021-22, 2022-23 For the purpose of this criterion, annual turnover of only the bidding entity will be considered. Annual turnover of any parent, subsidiary, associated or other related entity will not be considered.	Request for relaxation of the annual Turnover for sole bidder or lead bidder to 25 crores We would like to bring to IHMCL attention that Logicmo systems private limited is a 3 years old startup /MSME company. We are successfully operating more than 90 Toll Plaza's and have covered 200 Plus kilometers for ATMS implementation. The existing turnover criteria will prove limiting factor for new & growing organization like ours with tested technical & delivery capabilities		As per RFP.
27	13	ELIGIBILITY AND PRE- QUALIFICATION CRITERIA 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		As per RFP.
28	13	ELIGIBILITY AND PRE- QUALIFICATION CRITERIA PQ - 6 Certification	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	We would request the IHMCL authority to consider addition of ISO 9001 :2015 Quality system Certification along with the existing listed certificates to allow fair participation. While allowing "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 a.CMMi Level 3 or above b.ISO 20000 for IT Service Management c.ISO 27001:2013 for Information Security Management System d.ISO 9001 :2015 Quality system Certification		As per RFP.

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29	15	PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	"Note- Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered."	Reference: IHMCL /Empanelment /RFP 2023 Dated 18/05/2023 We would like bring to kind consideration of IHMCL authority to allow the civil contractors & construction companies as lead partners & technical partners who are currently Empaneled in consortium with the System integrators in IHMCL. Since IHMCL has prior approved the participation in their empanelment process. Attached Annexure -1 below		As per RFP.
30	14/111	4.1	PQ 2 - Annual Turnover, Supporting Documents	We are a multi-located Government company and our auditors are appointed by CAG and we are in the final stage of Audit. Hence please consider the provisional balance sheet for the FY 2022-2023		As per RFP.
31	14/111	4.1	PQ-3 – Networth Supporting Documents - Certificate from the Statutory Auditor clearly specifying the net worth of the firm as on 31 March 2023 as per T-8	We are a multi-located Government company and our auditors are appointed by CAG and we are in the final stage of Audit. Hence please consider the provisional balance sheet for the FY 2022-2023		As per RFP.
32	78/111	1.2.16	Completion period 6 months form handing over of site...	Considering the large volume and global shortage of semiconductor request to consider minimum 8-10 months to handing over the site		As per RFP.
33	10/113 & 18/113	1.4 (i) 2.3.1(1)	Power supplies for field equipment's working on Mains power supported by back Up (largely on renewable energy) to facilitate 24x7 operation	Renewable energy Solar Power for back up or only Battery is Envisaged in this project Keltron suggestion: Mains power + LiFePO4 Battery backup is best option if available, since solar power will not be available during rainy Seasons & low light -night conditions, also wind load to consider, Area for solar panel installation etc	To confirm	As per RFP.
34	33/113	3.1	It will be up to the service provider to conduct analytics on edge i.e. at the camera level and then convey the results to the command center or centrally at the ATMS software or cloud as long as events are detected automatically and conveyed back to the ATMS software in < 5 seconds of happening in reality.	SLA allows 90 seconds, so conflict with above 5 Seconds, so can we assume to be 90 seconds since camera has to scan full 1 KM range and there may be a pause in between pre-sets & checking for accidents etc		As per RFP.
35	33/113	3.2.3	The PTZ shall be programmed as to cover 500 metres in each direction using presets	Does PTZ has to cover or 2 KM (considering LH & RH directions): in this case request to allow 180 seconds scan time?		As per RFP.
36	35/113	3.3.18	If Vehicle has been manually identified to be driving in wrong direction (contraflow) for more than 1 km (two TMCS) cameras then command centre should immediately dispatch RPV.	This is an impossible task, as PTZ camera cannot capture number plates as it is continuously on Tour – to detect accidents. Request to exclude this clause		As per RFP.
37	35/113	3.4.1	The rated resolution should be sufficient to view the target area in acceptable detail for all cameras. Vehicle Characteristics and vehicle class shall be discernable from a distance of 500 meters from the camera (at full optical zoom) in day condition atleast.	Only daytime detection assumed	To confirm	As per RFP. The night time visibility is separately mentioned.
38	35/113	3.4.6	Cameras shall have inbuilt IR illuminator of 100 meters for night vision functionalities.	From the above points 3.4.1 & 6, it is assumed that incident detection is allowed during daytime only, and in night-time up to 100 meters. Night-time beyond 100 meters – it is impossible to detect any stopped vehicle with confidence due to incoming head lights.	To confirm	As per RFP.
39	39	4.3.1b	Overview Camera (wide-range with 60- 100 m viewing) with IR or Thermal or other Night Vision Mechanism for 60-100m range.	it is assume that the camera FOV(field of view) range is not 40 meters (60-100) , but minimum 60 meters (max 100 meters) = camera FOV start to end point : pl. clarify? (example camera view may be from 20 to 90 meters -means 70 meter coverage, meets minimum 60 meter requirement)	To clarify	As per RFP.
40	42,43,44 Of 113	4.3.2	The VIDES (combination of ANPR and Overview) cameras will work in tandem to cover the incidents and enforcements listed below. As given in the table in section 4.3.2	It is assumed all items listed in Table – recall & accuracy is valid for day & night conditions except smoke & fog detection.		As per RFP.

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41	45/113	4.3.3.4	The ANPR cameras monitoring every lane shall be used for Automatic traffic counting and classification.	From direct view of over view cameras Multi-axle detection may be difficult, request to avoid same For this an Additional side view camera needs to be incorporated – extra from RFP	To Avoid this feature	Please refer corrigendum.
42	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.	Video based detection cannot achieve this accuracy especially in Night conditions, only 4D radar can be used – Request to remove video/thermal based systems	To modify specs	RFP mentions the minimum requirements. Contractor shall design solution to meet the functional requirements mentioned in the RFP.
43	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.	Also, If Video based speed detection is used, any night condition - speed accuracy calibration certificate required (as it is a video image based system)	To confirm	The ATMS Contractor shall be responsible for obtaining calibration certificate from concerned government agency.
44	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.	Does Speed accuracy applicable for all type vehicles including 2 wheelers in night, fog, rain conditions? Will this be validated by testing?	To confirm	As per RFP.
45	46/113	4.3.3.5.4	Solution provider may employ visual speed detection through cameras or other sensors (radar) choosing whichever is able to meet the functional requirement	4D Radar Technology can provide international speed calibration certificates and ensure the highest accuracy. Being used worldwide for speed enforcement	To confirm	RFP mentions the minimum requirements. Contractor shall design solution to meet the functional requirements mentioned in the RFP.
46	47/113	4.4.2	The table showing The IP camera shall have the following specifications Imager....Interline transfer 1/3 " Format CMOS	Can bidder use CCD or CMOS technology	To confirm	Please refer corrigendum.
47	47/113	4.5.1	Each Lane will have an ANPR camera facing the traffic Flow including hard shoulder. If there are camera configuration where less number of cameras can more economically cover all lanes and specified functional requirements, the same may be utilized after POC with Prior approval of the Employer. 4.3.2: Incident Detection The VIDES (combination of ANPR and Overview) cameras will work in tandem to cover the incidents and enforcements listed below.	It is assumed Bidder can use any combination of Cameras and accessories with relevant technologies to meet all the specified functional requirements of ANPR, overview Cameras with any combination of IR/ Thermal cameras, with required 60 -100 meters FOV coverage.	To confirm	As per RFP.
48	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? As per our experience one system may generates 100 chellans per day, for 50 systems: 5000 chellans to be considered, and will require approx. 30 operators in 1 shift or 2 shifts.		Please refer corrigendum.
49	48/113	4.5.10	The software and cameras should be calibrated and tested monthly Basis	Only Video based systems require monthly calibration. For Radar based system no calibration to be done on Cameras =to clarify? (But as per Morth 167A rule yearly checks to be carried out for the entire system on yearly basis .)	To confirm	As per RFP.
50	48/113	4.5.12	The IP Camera shall have the following specification: Refer Table in RFP	It is assumed that CCD or CMOS sensors can be used, as long as it is GLOBAL SHUTTER TYPE, as only global shutter technology can give Required night image quality.	To clarify	As per RFP.
51	50/113	5.3.6(c)	Measurement: a. Speed range: 1 km/h to 200 km/h b. Maximum Measuring errors: Up to 100 km/h ± 3km/h, Above 100 km/h c. Minimum Monitored section length: 500 m	500 meters: Impossible conditionrequest to remove, Monitored Section Length Typical 100-150 meters	To confirm	Please refer corrigendum.

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52	51/113	5.4.6 5.4.7 5.4.11	Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally Connected laptop. It shall optionally be possible to configure the display to send real time violation event record (speed, vehicle image and time stamp) over the connected network while Recording the same. Fault diagnostics shall be provided to include the following as a minimum: a) Camera Failure b) Radar Failure	Error in the document: No Cameras are used for VASD, request to remove image / camera related items. Do Do	To confirm	Please refer corrigendum.
53	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.	To confirm	As per RFP.
54	101/113	Table for performance Item 2 - VIDES	See Table in 4.3.2 for Recall and accuracy for VIDES	It is assumed, Penalty will be applicable for errors beyond the recall & accuracy % mentioned in the Table 4.3.2	To confirm	As per RFP: Understanding is correct.
55	101/113	Table for performance Item 3 – VIDES	See Table in 4.3.2 for Recall and accuracy for VIDES	It is assumed, Penalty will be applicable for errors beyond the recall & accuracy % mentioned in the Table 4.3.2	To confirm	As per RFP: Understanding is correct.
56	102/113	Table for performance Item 6 - TMCS	See Table in 4.3.2 for Recall and accuracy for TMCS	It is assumed, Penalty will be applicable for errors beyond the recall & accuracy % mentioned in the Table 4.3.2	To confirm	As per RFP: Understanding is correct.
57	102/113	Table for performance Item 8 – e Chellan	E Challan ...Validating and Uploading evidence on Govts E -challan software for processing in less than 48 hours of violation occurrence	48 hour clause -Depends on the decision on the number of challans being generated and the number of operators that are being deployed by The Bidder. IHMCL should specify how many chellans expected per day so as to employ suitable number of operators for Chellan Validation? Example: one Violation System generates 100 chellans per day, for 50 systems: 5000 chellans to be considered, and will require approx. 30 operators in 1 shift or 2 shifts.(approx. 150 chellans per operator / day)	To confirm	As per RFP.
58	102/113	Table for performance Item 8 e-chellan	E Challan ...Validating and Uploading evidence on Govts E -challan software for processing in less than 48 hours of violation occurrence	The ITMS – approval & E Challan is done by state government agency like MVD / Police department – hence same should be excluded From the Bidder responsibility.	To confirm	As per RFP.
59	14	4.1. Pre-Qualification Criteria PQ – 4 Relevant Field of Business	Supporting Document to be provided For Sole Bidder or the Lead Bidder, in case of Consortium: Undertaking in the Bid Covering as per format T-2 by the Sole Bidder/Lead Member, in case of a JV/Consortium with supporting evidence of all members in case of JV/Consortium. (Copy of relevant and valid Completion Certificate and LOA/Contract awarded in last five years).	Supporting Document to be provided For Sole Bidder or the Lead Bidder, in case of Consortium: Undertaking in the Bid Covering as per format T-2 by the Sole Bidder/Lead Member, in case of a JV/Consortium with supporting evidence of all members in case of JV/Consortium. (Copy of relevant and valid Completion Certificate / Partial Completion Certificate At least 85% satisfactorily work progress and LOA/Contract awarded in last five years).	We request you to amend the clause and include partial work completion at least 85% work progress, sometime there is the constraint from client side, and due to that some of the work remain pending. Kindly allow the 85% of work completion which is quite reasonable. This will help the department with more competitive bid and balanced quality of the work.	As per RFP.
60	103 of 113 (Sch-C)	Instance Based Deduction		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.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
61	104 of 113 (Sch-C)	Instance Based Deduction		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.		As per RFP.
62	14	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.	Generally in the case of JV/consortium one partner fulfill the criteria of Technical Experience and other partner fulfill the criteria of Finance. Any partner of JV/Consortium should qualify the PQ Experience of i.e. operating in the field of Software development/ IT Solutions/ IT services/ATMS/ ITS/ OEM of Electronic Equipment for at least five (5) years		As per RFP.
63	9	1.1.3 Background	The estimated cost of the Project (the "Estimated Project Cost") has been specified in the clause 1.1.1 above, which is exclusive of Goods & Service Tax (GST) The assessment of actual costs, however, will have to be made by the Bidders.	As Specified in the clause (1.1.3 Background) about the estimate of the project in clause 1.1.1 , not mentioned in the entire RFP.		Please refer corrigendum.
64	11	3.2 Bid Security	The bidder shall furnish as part of its Bid, a Bid Security amounting to Rs 46,00,000/- (Rs Forty-Six Lakhs).	Exemption of Bid Security should be considered. Reference can be taken from The Government of India Gazette notification vide S.O.581 (E) for Mico, Small and Medium enterprises which notifies the Exemption of Earnest money. Please refer IHMCL RFP for VIDES Bengaluru to Mysuru.		Please refer corrigendum.
65	11	3.1 Tender Fee	Bidder should pay Tender Application Fee (non-refundable) INR 25,000/- (Rupees Twenty)	Same as above		As per RFP.
66	64-65	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.		As per RFP.
67	64-65	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		As per RFP.
68	80	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.		As per RFP.
69	Page 2 of 111	NOTICE INVITING RFP	EMD - 46 Lakh	As per revised public procurement policy for MSEs order dated 27.01.2022, it is mentioned that MSEs will be facilitated by providing tender sets free of cost and exempting MSME from payment of Earnest Money Deposit. Considering this, exemption of EMD to be provided to bidders with MSME certification.		Please refer corrigendum.
70	Page 14 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, PQ 2 - Annual Turnover	i. The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23 For the purpose of this criterion, annual turnover of only the bidding entity will be considered. Annual turnover of any parent, subsidiary, associated or other related entity will not be considered.	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. Turnover requirement as per GFR 2017 and procurement manual Guidelines of Govt of India is typically 30-40% of project value and are relaxed for MSMEs for wider participation.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
71	Page 15 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre- Qualification Criteria, PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	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	As this project is for SITC & O&M - Hence both SITC expereince criteria needs to be considered for CAPEX and O&M experience of minimum 2 years for OPEX, alongwith Qualifying criteria of ATMS for Highway projects as well as ITMS for urban / smart cities projects (Should not be restricted to only Smart Cities like Delhi, Mumbai and Bangaluru have ITMS project but these are not in Smart Cities). For wider participation and competitive bidding, it is requested to amend pre-qualification criteria PQ5, as below: 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/ITMS/ITES Project in Minimum 100 Kms (cumulative) of Highway /Expressway OR Minimum 3 Projects in Indian cities for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor in last 7 years prior as on the Bid due date. Note: The project/s shall be Complete and in Operation for minimum 2 years with Completion Certificate along with 2 years DLP / OEM certificate issued by State / Central Government agencies to be submitted in the technical bid. Qualifying Components of ITS/ATMS/ITMS/ITES Projects For the purpose of evaluation a qualifying project to 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, Network connectivity, Server Storage in scope alongnd with		As per RFP.
72	Page 16 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre- Qualification Criteria, PQ - 6 Certification	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 thre 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) ISO 20000 for IT Service Management.		As per RFP.
73	17	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.	6) The Bidder shall NOT propose more than TWO make/model, for each of the component/equipment. Make model shall be specific and any equivalent is not allowed. Providing more than Two make / model in the technical proposal (T-9) shall make the bid liable to be rejected.	Request you to allow maximum 2 (two) make/ model for each of the components so that bidder should propose the best suitable OEMs.	As per RFP.
74	144	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.2 Function	3. The PTZ cameras shall be programmed such that they are able to cover 500m in each direction using presets.		Request you to clarify whether need to cover 500 meter in each direction or 100 meter as the Technical specifications is asking only 100 meter night vision and with 100 meter IR, no PTZ can cover 500 meter in each direction, also if only 100 meter IR is asked then in the night 80% of the area will be blind area. It should be given an option to put 100 meter IR or 500 meter IR but the entire stretch should be covered	As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
75	145	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.3 Functional Requirements	7. Video Footages should have been compressed using H.264 (MPEG 4 part 10/AVC) standard prior to recording.	7. Video Footages should have been compressed using H.265 & H.264 (MPEG 4 part 10/AVC) standard prior to recording.	Request you to ask minimum H.265 standard support as now every OEMs support the same and it'll save almost 50% storage & bandwidth as compared to H.264. If not the storage will become double and storage cost and manageability will be enormous.	As per RFP.
76	146	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.4 Technical Requirements	1. The rated resolution should be sufficient to view the target area in acceptable detail for all cameras. Vehicle characteristics and vehicle class shall be discernible from a distance of 500 meters from the camera (at full optical zoom) in day condition atleast.		Request you to clarify whether need to cover 500 meter in each direction or 100 meter as the Technical specifications is asking only 100 meter night vision and with 100 meter IR, no PTZ can cover 500 meter in each direction , also if only 100 meter IR is asked then in the night 80% of the area will be blind area. It should be given an option to put 100 meter IR or 500 meter IR but the entire stretch should be covered. Also in day time to get the vehicle type with the asked lens (3.5mm to 129mm) is not possible as with full optical zoom (129mm) we'll able to get 94ppm and to get vehicle type, we have required minimum 180ppm which can be possible through 250 mm focal length.	As per RFP.
77	146	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.4 Technical Requirements	6. Cameras shall have inbuilt IR illuminator of 100 meters for night vision functionalities		Request you to clarify whether need to cover 500 meter in each direction or 100 meter as the Technical specifications is asking only 100 meter night vision and with 100 meter IR, no PTZ can cover 500 meter in each direction, also if only 100 meter IR is asked then in the night 80% of the area will be blind area. It should be given an option to put 100 meter IR or 500 meter IR but the entire stretch should be covered.	As per RFP.
78	147	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.4 Technical Requirements	e) Focus: 3.5mm to 129mm or better	e) Focus: minimum 250mm or better with minimum 35x optical zoom	Request you to change the focal length as suggested as per 35x optical zoom as in day time to get the vehicle type with the asked lens (3.5mm to 129mm) is not possible as with full optical zoom (129mm) we'll able to get 94ppm and to get vehicle type, we have required minimum 190ppm which can be possible through 250mm focal length.	RFP mentions the minimum requirements. Contractor shall design solution to meet the functional requirements mentioned in the RFP.
79	147	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.4 Technical Requirements	h) Night Vision: Upto 100m		Request you to clarify whether need to cover 500 meter in each direction or 100 meter as the Technical specifications is asking only 100 meter night vision and with 100 meter IR, no PTZ can cover 500 meter in each direction, also if only 100 meter IR is asked then in the night 80% of the area will be blind area. It should be given an option to put 100 meter IR or 500 meter IR but the entire stretch should be covered.	As per RFP.
80	147	Chapter 3 - Video Surveillance System / Traffic Monitor Camera System (TMCS) 3.4 Technical Requirements	r) Tilt Range: +10 to -92 degrees	r) Tilt Range: +10 to -90 degrees	As all PTZ camera have auto flip it can cover full round so 92degree should be changed to 90degree otherwise it limits the lot of OEMs to participate	Please refer corrigendum.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
81	158	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.4 Video Camera (Overview)	The camera shall have great low light sensitivity, electronic shutter, automatic gain control and back –light compensation to enable camera to operate in wide range of lighting conditions. Apart from visual sensors, the camera shall accompany infrared illuminators or thermal sensors to ensure Overview Camera related incidents (debri, fog, accidents, pedestrian, animal crossing etc). are automatically detected in night conditions also in the range of 60-100m.		Request you to please confirm whether infrared illuminators required or thermal sensors required as both are totally different technologies. Also, infrared illuminators can detect debri, accidents, pedestrian, animal crossing but for fog we need to have separate Thermal Camera. And from Thermal Cameras, debri cannot be detected as no heat will be generated by debri.	As per RFP.
82	158	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.4 Video Camera (Overview)	f) Minimum Illumination: 0.15 Lux (F1.2 , AGC On) at 50m IRE	f) Minimum Illumination: 0.50 Lux (F1.6 , AGC On) at 100m IRE	Request you to change the IR length to 100 meter as clearly ask in the functional requiremen that camera should detected in night conditions also in the range of 60-100m.	Please refer corrigendum.
83	158	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.4 Video Camera (Overview)	h) Back Light Compensation: 6 Zones or through better technologies	h) Back Light Compensation: 6 Zones or through better technologies Supported	Request you to remove zone based BLC as this is limiting the participation and this is a old technology. Today BLC follows international standard of IEC 62676.	As per RFP, which already mentions that the BLC requirement is 6 zone or better technologies
84	158	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.4 Video Camera (Overview)	j) Encoding for integration with the ATMS control Centre: H.264 (MPEG-4 Part 10(AVC)/JPEG	j) Encoding for integration with the ATMS control Centre: H.265 & H.264 (MPEG-4 Part 10(AVC)/JPEG	Request you to ask minimum H.265 standard support as now every OEMs support the same and it'll save almost 50% storage & bandwidth as compared to H.264. If not the storage will become double and storage cost and manageability will be enormous	As per RFP.
85	158	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.4 Video Camera (Overview)	k) Night vision capabilities: Through IR or thermal or any other methods as long as functional requirements are met in the most economic manner		Request you to please confirm whether infrared illuminators required or thermal sensors required as both are totally different technologies.	As per RFP.
86	159	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.5 ANPR	h) Back Light Compensation: 6 Zones or through better technologies	h) Back Light Compensation: 6 Zones or through better technologies Supported	Request you to remove zone based BLC as this is limiting the participation and this is a old technology. Today BLC follows international standard of IEC 62676.	As per RFP, which already mentions that the BLC requirement is 6 zone or better technologies

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
87	159	Chapter 4 - Video Incident Detection and Enforcement Systems (VIDES) - Video Based Incident Detection and Enforcement Systems 4.5 ANPR	j) Encoding for integration with the ATMS control Centre: H.264/ JPEG (MPEG-4 Part 10(AVC)	j) Encoding for integration with the ATMS control Centre: H.265 & H.264/ JPEG (MPEG-4 Part 10(AVC)	Request you to ask minimum H.265 standard support as now every OEMs support the same and it'll save almost 50% storage & bandwidth as compared to H.264. If not the storage will become double and storage cost and manageability will be enormous	As per RFP.
88	Pg 14 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 60 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 60Cr of turnover.	Average Turnover couldnt be met due to COVID.	As per RFP.
89	Pg 16 of 111	PQ 6 - Certification	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	We request authority to kindly consider ISO 9001:2015 or ISO 14001:2015 equivalent to ISO 20000.	ISO 9001:2015 and ISO 14001:2015 to be included.	As per RFP.
90	Pg 2 of 111	Notice Inviting RFP	Tender Application Fee- INR 46 Lakh/-	We request authority to kindly exempt EMD for MSME registered firms. This criteria has been already considered in previous NHAI/IHMCL tenders where MSME registered firm were exempted from paying EMD amount.	MSME EMD exemption	Please refer corrigendum.
91	Pg 80 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.	As per RFP.
92	Pg 80 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.		As per RFP.
93	Pg 80 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.	As per RFP.
94	Pg 86 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	As per RFP.
95	Pg 104 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	As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
96		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.	Please refer corrigendum.
97	Pg 67 of 111	Form F-2 - Cost Breakup	I - O&M for 60 Months including Spares to cater the SLA requirement, Vehicle, Manpower etc	We request authority to kindly provide detailed break-up of Operation and Maintenance Staff count including position/profile/min. experience criteria/manpower/mandays count. By this way a fair evaluation can be done amongst all the bidders. Else it will impact the costing of O&M and the same shall vary.	O&M Staff Count, Vehicle Deployment etc.	As per RFP.
98	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 comparison of financial amongst all the bidders.	ATMS BOQ required.	As per RFP.
99	Pg 104 of 111	4.3.1.	The tunnel management system will be equipped with separate surveillance system which would not be the part of scope of work, but the ATMS Contractor to ensure the provision of transmitting the tunnel surveillance system feed to control room (IHMCL to provide feed from tunnel cameras at one end of the tunnel) through API over OFC network with alternative radio frequency as a redundant network along with a separate video wall of minimum of 75" size shall be provided in Control Centre to monitor these tunnel cameras	Kindly provide the Dataload of Tunnel surveillance camera to the control centre	Tunnel surveillance	As per RFP.
100	Pg 90 of 111	1.1.1.	Site	Kindly share blackspot data at the site	Blackspot	As per RFP. Bidder to conduct site survey before bidding.
101	Pg 50 of 113 of Schedule C	Chapter 5 Vehicle Actuated Speed Display	Radar : Minimum monitored section 500m	Minimum monitored section should be 300m for Radar	Radar	Please refer corrigendum.
102	Page 15, 16 of 111	4.1-Pre-Qualification Criteria PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	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	"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/ ULBs/Municipal Corporation 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/ CCTV	We respectfully bring to your attention concerns about this criteria, which seem to unduly favor ATMS Software proprietary owners, potentially restricting competition and fostering the chances of formation of cartels. This stipulation, mandating the inclusion of ATMS Software proprietary owners as consortium partners, may adversely impact the submitted commercials from organizations/OEMs, affecting the project budget. We kindly urge a comprehensive reconsideration of this criteria to promote a fair and competitive bidding process, encouraging broader participation from qualified entities.	As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
103	Page 86 of 111	1.2.GENERAL CONDITIONS OF CONTRACT	1.2.35.Consequences of Termination (a)Upon Termination, the Contractor shall, without delay or demur, transfer all equipment, relevant documents / information/ software application developed under the contract / sources code / back up / data/ permissions to IHMCL or any other entity as directed by it; (b)Upon Termination (except on account of expiry of Term of this Contract Agreement or Force Majeure), IHMCL shall be entitled to appropriate the Performance Security.	1.2.35.Consequences of Termination (a)Upon Termination, the Contractor shall, without delay or demur, transfer all equipment, relevant documents / information/ software application developed under the contract / sources code / back up / data/ permissions to IHMCL or any other entity as directed by it; Provided all the payments for the work submitted by the contractor including system and equipment installed till the date of termination shall be made by the authority to the contractor (b)Upon Termination (except on account of expiry of Term of this Contract Agreement or Force Majeure), IHMCL shall be entitled to appropriate the Performance Security.	We request the authority to amend the clause as given here.	As per RFP.
104	14	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 60 Crore during the last three Financial Years i.e. 2020-21 2021-22, 2022-23.	Requesting relaxation for Start-up of all categories as per startup promotion guideline.		As per RFP.
105	15	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		As per RFP.
106		General Clause	General - Bill of Quantity not referenced in RFP	Typically, in all tenders, the Bill of Quantities (BOQ) is regarded as an integral part of the Request for Proposal (RFP). This inclusion enhances clarity and refines the scope of the tender. Therefore, kindly request you to incorporate the BOQ for a more streamlined tendering process		As per RFP.
107	104	4.3 Equipment Site Plan	Gantries Not available at some locations	In certain locations along the Dwarka Expressway and the existing Delhi-Gurgaon Road, gantries need to be installed (gantries not available). Please confirm whether the ATMS contractor will proceed with the installation of M-Type or L-Type gantries in these specific areas.		As per RFP. Full Gantry (M-Type) to be provided wherever not available.
108	106	4.3.4.1.1.	Fixed VMS:- Gantry (M Type)	In RFP, it specifies the use of M-Type gantry for VMS installation. However, the BOQ (F2 - Cost Break Up_section D_VMS) mentions L-Type gantry. Kindly seek clarification on the specific locations where L-Type gantry is required.		Please refer corrigendum.
109	104	4.3 Equipment Site Plan	The tunnel management system will be equipped with separate surveillance system which would not be the part of scope of work	Need clarification on integration of tunnel surveillance with control room by ATMS contractor		As per RFP.
110	78	1.2.17.1. Damages for Delay in completion of work	The damages will be applied @ 1 % of the total Contract Value per week up to a maximum of 10 % of the Contract value.	Kindly request to minimize the penalty for damages to maximum of from 0.5 % to 5% instead of 10%		As per RFP.
111	16	PQ 5 - Relevant Experience on ATMS/Intelligent Transportation System (ITS)	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.	We understand the objective here is to ensure integration capability of the submodules with ATMS software. We request to allow the bidder to consider subcomponents of their preference & propose solution meeting the functional requirements of the project. Kindly amend the clause as : "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. Incase subsystems are not integrated , bidders & subcomponents OEMs should give an undertaking confirming the integration as per functional scope of the project without any additional cost. "		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
112	103	4.1.1. General	i. The Contractor shall be responsible for Integration of ATMS system and sub-systems with the IHMCL Central Command Centre, TMCs and ATMS systems of other projects as per the requirement raised from time to time by IHMCL or its authorized agency. Additionally, the ATMS Solution shall include provision of IP/API based feed to enforcement agencies as per the requirements raised from time to time by IHMCL or its authorized agency.	Kindly provide the details of integration scope that might be required in future to ensure same is provisioned in proposed solution.		As per RFP.
113	128	2.2.8 Field-Access & On-line remote Access during the Contract period	6) Each camera (VIDES, CCTV or one placed in Command Centre) shall be registered on NHAI ATMS Module at HQ. This registration will include but not limited to lat-long, public IP, RTSP URL, authentication details if any and web- link to access the stream of individual cameras respectively	Kindly clarify whether each cameras (VIDES, CCTV or one placed in command centre) is required to be recorded centrally in DC & DR. Kindly confirm the retention period for storing the recordings.		As per RFP.
114	129	2.2.8 Field-Access & On-line remote Access during the Contract period	8) Where applicable, the ATMS shall be integrated with the Local Traffic Police's Command and Control Centre. This shall include sharing of live feeds of all TMCS and VIDES cameras for viewing and/or controls and any additional modular software that allows for the same. If view-only access can be provided through login into ITS software such that above requirements are met, that may also be considered.	Kindly clarify the total no of Client systems to be considered for Local traffic polices command & control centres.		As per RFP.
115	149	Chapter-4 , VIDES	1. It should capture evidence to facilitate the generation of eChallans, discouraging such unsafe behaviour.	Considering the future scalability & volume of violations generated for challaning , it is recommended to consider auto push of Challans based on the confidence level of the ANPR system to reduce the work load on the operators. We request to kindly amend the clause as : "1. It should capture evidence to facilitate the generation of eChallans, discouraging such unsafe behaviour. Proposed solution should have option to auto push the violations details for challan generation based on the confidence level of the system. The auto push functionality should have been implemented in atleast 2 projects in India. Documentary evidence must be submitted along with bid."		As per RFP.
116	151	4.3 Functional Requirements	g) Back-office Software for Validation of Violation data captured and integration with Enforcement Agency (e-Challan/ Vahan)	As we understand, the eChallan system would be of NIC as part of One Nation One eChallan initiative of Govt. of India. Please confirm		As per RFP: Understanding is correct.
117	152	4.3.2 Incident detection	1. The VIDES (combination of ANPR & Overview) cameras will work in tandem to cover the incidents and enforcements listed below.	Considering the future scalability & criticality of the project , it is important to ensure proposed cameras & traffic violation detection software should be ONVIF compliant to ensure the openness of the system & investment protection. It is strongly recommend to include ONVIF compliant software. Kindly amend the clause as : "1. The VIDES (combination of ANPR & Overview) cameras will work in tandem to cover the incidents and enforcements listed below. Proposed VIDES software should be ONVIF profile S,G,T & Compliant. Documentary evidence must be submitted along with bid."		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
118	156	4.3.3.4 ATCC	The indicative classification of common vehicles for the ATCC is given below: 1. Two Wheelers a) Three Wheelers (Auto/Tempo) b) Four Wheelers (Cars, Jeeps, Vans etc) c) Light Motor Vehicles d) Trucks/Buses e) Multi-Axle Vehicles	ANPR system can't differentiate multi-axle vehicles due to its position. We request authorities to allow classification of large vehicles under trucks or buses. Kindly amend the clause as : The indicative classification of common vehicles for the ATCC is given below: 1. Two Wheelers a) Three Wheelers (Auto/Tempo) b) Four Wheelers (Cars, Jeeps, Vans etc) c) Light Motor Vehicles d) Trucks/Buses/Large Motor Vehicles 3)Multi-Axle Vehicles/Large Motor Vehicles		Please refer corrigendum.
119	157	4.3.3.5 Speed Detection	1. VIDES shall be able to do both spot speeding and section-based speeding during the day and night. Spot based speeding means estimating the speed of the vehicle in the immediate area the Gantry is looking at and section-based speeding will be calculating the average speed of the vehicle based on the time it takes to travel between two VIDES gantries every 10 km.	Kindly indicate number of sections for average speed calculation.		RFP Clarification: VIDES location already provided in the RFP
120	152	4.3.2 Incident detection		Additional recommended PQ point for TMCS, Speed detection & VIDES software : The software OEM of TMCS , Speed detection & VIDES software should be in existence in India since last 15 years. The OEM should have at least the following certificates: ISO 9001, 27001, ISO 27017, 14001 , ISO 45001:2018 and CMM I Level 3. Documentary evidence must be submitted along with bid.		As per RFP.
121	152	4.3.2 Incident detection		Considering the future scalability & criticality of the project , we strongly recommend to include Enterprise class VMS functionality inbuilt for VIDES software . Kindly include the clause as : "Proposed VIDES software should have enterprise class VMS functionality."		As per RFP.
122	Page No. 9	1.1.3	The estimated cost of the Project (the "Estimated Project Cost") has been specified in the clause 1.1.1 above, which is exclusive of Goods & Service Tax (GST) The assessment of actual costs, however, will have to be made by the Bidders.	Estimated Cost Not mentioned in Clause no 1.1.1. Kindly clarify the same.		Please refer corrigendum.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
123	Page No. 11	3.2.1	The bidder shall furnish as part of its Bid, a Bid Security amounting to Rs 46,00,000/- (Rs Forty-Six Lakhs).	As per latest IHMCL tender for VIDES implementation at Bangalore Mysore project, an exemption of EMD for MSME registered companies were allowed. We request you to kindly consider our request for EMD exemption for this tender also.	<u>Corrigendum 1 of RFP Number IHMCL/VIDES/2023/1 published on dated 13.10.2023.</u> a. Micro and Small Enterprises if registered with any government bodies specified by Ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting the Earnest Money Deposit (EMD). It will be applicable for those bidders who shall produce their own goods or provide their own services, and not applicable for trading purpose. No entrepreneur or memorandum of application form is acceptable. b. Only Firms registered with MSME / NSIC with valid certificate duly issued by GOI are exempted from submitting EMD. No other type of certificate is acceptable. c. The firms registered under MSME shall be required to submit the Bid Securing Declaration Form as provided in Annexure- 10 of this Corrigendum 1. This should be part of physical document submission and shall be applicable wherever mentioned in the RFP.	Please refer corrigendum.
124	Page No. 16	PQ-5- Relevant Experience on ATMS / Intelligent Transportation System (ITS) - a).iv	Incident Enforcement System with integration with VAHAN for e-challan	We request you to kindly amend the Clause as mentioned below. "Incident Enforcement System with integration with VAHAN/NIC/ other enforcement agencies for e-challan"		Please refer corrigendum.
125	Page No. 16	PQ-5- Relevant Experience on ATMS / Intelligent Transportation System (ITS) - 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.	We request you to kindly consider Certificate of Civil Contractor for operational period since the operation of project falls under contractors scope in most of the EPC and HAM project.		As Per RFP.
126	Page No. 24	NOTE	Original documents in physical form -Physical Submission of original Bid Security, POA for signing the Bid, POA in favor of lead member of JV, if any, JBA for JV, if any, Integrity Pact, and experience certificates apostle at foreign origin, if any shall only be After declaration of Bid Evaluation Result by the Authority.	As per our understanding, during bid submission, no hard copies of tender submission is to be submitted and after declaring the qualified technical bidders only we need to submit the hardcopy. Kindly Confirm.		As per RFP. Understanding is correct.
127	Page No. 27	6.11.3	IHMCL will be at liberty to keep the credentials of the bidders submitted by them at bidding stage, in public domain and the same may be uploaded by IHMCL on its web site. The bidders shall have no objection if IHMCL uploads/ hosts the information pertaining to their credentials as well as of their key personnel.	We request you to kindly publish only limited informations like bid security, Bank Guarantee, Completion Certificates etc. Publishing of Key Personnals informations and break up of Fianancials lead to information misuse and market imbalance.		As per RFP.
128	Page No. 66	Form-F2	Bill of Quantity	We request to freeze the quantity from IHMCL end for Bid Submission for fair evaluation process. Request you to kindly confirm us the quantity of BoQ items.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
129	Page No. 67	Form-F2, Section E	OFC Backbone	Request you to kindly consider OFC back bone And/Or RF Network backbone as communication medium. There might be chances where OFC implementation will be challenge. Hence we request you to allow us to consider alternate RF Network technology as back bone.		As per RFP.
130	Page No. 78	1.2.17.1	Damages for Delay in completion of work Failure by the Contractor to complete the works of the Construction Period in all respect within the prescribed Time Period shall result in the application of the damages for delays unless Extension of Time has been granted by IHMCL for reasons not attributable to the Contractor. The damages will be applied @ 1 % of the total Contract Value per week up to a maximum of 10 % of the Contract value.	We request you to consider damages to be applicable @ 0.5 % of the total Contract Value per week up to a maximum of 5 % of the Contract value.		As per RFP.
131	Page No. 79	1.2.17.2.1	Staff working without safety gears – damages of INR 10,000 per instance. In case of repeated instance by the same staff member of the Contractor, the damages shall be doubled per instance. The Contractor shall have to replace the repeated offenders / personal (safety lapses more than 3 times) with immediate effect.	We request you to provide relaxation on penalty changes @ INR 2,500/- per instance.		As per RFP.
132	Page No. 79	1.2.17.2.2	Improper safety measures at site / safety hazard to the commuters due to poor workmanship, etc., / Contractor's vehicle wrongly parked at site / Contractor's vehicle moving in wrong direction / working during low visibility hours or at night time without proper safety measures warning signages and lighting/ improper traffic diversion / non-standard warning signages etc. / unauthorised lane closure / traffic rule violation – minimum damages of INR 1,00,000 per instance shall be imposed on recommendation of the IHMCL (or its representatives) . In case of repeated instance, the penalty shall be doubled per instance. The Contractor shall have to replace the repeated offenders / personal (safety lapses more than 2 times) with immediate effect. IHMCL shall also take legal action against the errant staff / sub-contractor of the Contractor, as such safety lapses may lead to major safety concern / hazard for the road users as well as the workers.	We request you to provide relaxation on penalty changes @ INR 25,000/- per instance.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
133	Page No. 80	1.2.20	<p>Payment Schedule</p> <p>Total (A) 50% (Supply, Installation, Testing and Commissioning)</p> <ol style="list-style-type: none"> 1. Approval of Design, Drawings, and Documentation pursuant to Schedule-C - 5% 2. Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone - 10% 3. Supply and Installation of TMCS, VIDES & VASD System - 10% 4. Supply and Installation of VMS Equipment including supply of portable VMS - 5% 5. 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% 6. Testing, Commissioning and Successful Trial Run of entire ATMS Facility - 10% <p>Total (B) 50% (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% - 8%</p> <p>2nd Year of O&M – Four equal quarterly payments @ 2.25% - 9%</p> <p>3rd Year of O&M – Four equal quarterly payments @ 2.5% - 10%</p> <p>4th Year of O&M – Four equal quarterly payments @ 2.75% - 11%</p> <p>5th Year of O&M – Four equal quarterly payments @ 3% -</p>	<p>We request you to kindly consider as mentioned below:</p> <p>Total (A) 75% (Supply, Installation, Testing and Commissioning)</p> <ol style="list-style-type: none"> 1. Approval of Design, Drawings, and Documentation pursuant to Schedule-C - 10% 2. Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone - 15% on pro-rata basis. 3. Supply and Installation of TMCS, VIDES & VASD System - 30% on pro-rata basis. 4. Supply and Installation of VMS Equipment including supply of portable VMS - 10% on pro-rata basis. 5. 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% on pro-rata basis. 6. Testing, Commissioning and Successful Trial Run of entire ATMS Facility - 5%. <p>Total (B) 25% (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 @ 1% - 4%</p> <p>2nd Year of O&M – Four equal quarterly payments @ 1.125% - 4.5%</p> <p>3rd Year of O&M – Four equal quarterly payments @ 1.25% - 5%</p> <p>4th Year of O&M – Four equal quarterly payments @ 1.375% - 5.5%</p> <p>5th Year of O&M – Four equal quarterly payments @ 1.5% -</p>		As per RFP.
134	Page No. 103	Schedule-B, 4.2	<p>Implementation Plan</p> <p>3. Dwarka Expressway Pkg-2 (Including TMC-2) - Km 5+300 of DWE - Km 9+500 of DWE</p>	Kindly provide us clarification on TMC-2.		Please refer corrigendum.
135	Page No. 104	Schedule-B, 4.3	<p>Equipment site plan / Indicative Equipment Location:</p> <p>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.</p>	Kinldy provide us Lat-Long details/KMZ file of entire project stretch.		As per RFP.
136	Page No. 104	4.3.1.(ii)	<p>The tunnel management system will be equipped with separate surveillance system which would not be the part of scope of work, but the ATMS Contractor to ensure the provision of transmitting the tunnel surveillance system feed to control room (IHMCL to provide feed from tunnel cameras at one end of the tunnel) through API over OFC network with alternative radio frequency as a redundant network</p>	<p>We request to Consider Radio Frequency (RF) Network as backbone instead of OFC.</p> <p>Since the project stretch is having majorly builtup areas where OFC laying will be challenging. By providing RF solution, connectivity can be attained smoothly across the stretch.</p>		As per RFP.
137	Page No. 105	4.3.2	<p>Availability of Gantry**</p> <p>** [The Table indicates availability / non-availability of gantry at the location. The availability of Gantry at certain locations are mentioned only to facilitate the ATMS Contractor to provide ATMS Solution at that location. However, the Contractor shall be solely responsible to achieve the desired level of SLA and adequacy while using the available Gantry. For avoidance of doubt, the Contractor shall construct a new Gantry if the Contractor find that the available Gantry is not of adequate on account of load carrying capacity and/or is not suitable for the desired output of ATMS Solution].</p>	<p>Health Status of existing gantries are not available and fitment of equipment, usage of existing gantry, load bearing capacity of existing gantry structure & life of existing gantry for next Six years (atleast) is not sure. Implementation agency to provide the Life certificate of existing gantry. In case any mishappening occurs due existing gantry failure, this leads to conflict between the parties.</p> <p>Hence for unified evaluation process, we request you to consider new gantries from all bidders to make the bid balanced for fair evaluation purpose.</p>		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
138	Page No. 106	4.3.3	Availability of Gantry** ** [The Table indicates availability / non-availability of gantry at the location. The availability of Gantry at certain locations are mentioned only to facilitate the ATMS Contractor to provide ATMS Solution at that location. However, the Contractor shall be solely responsible to achieve the desired level of SLA and adequacy while using the available Gantry. For avoidance of doubt, the Contractor shall construct a new Gantry if the Contractor find that the available Gantry is not of adequate on account of load carrying capacity and/or is not suitable for the desired output of ATMS Solution].	Health Status of existing gantries are not available and fitment of equipment, usage of existing gantry, load bearing capacity of existing gantry structure & life of existing gantry for next Six years (atleast) is not sure. Implementation agency to provide the Life certificate of existing gantry. In case any mishappening occurs due existing gantry failure, this leads to conflict between the parties. Hence for unified evaluation process, we request you to consider new gantries from all bidders to make the bid balanced for fair evaluation purpose.		As per RFP.
139	Page No. 106	4.3.4	Availability of Gantry** ** [The Table indicates availability / non-availability of gantry at the location. The availability of Gantry at certain locations are mentioned only to facilitate the ATMS Contractor to provide ATMS Solution at that location. However, the Contractor shall be solely responsible to achieve the desired level of SLA and adequacy while using the available Gantry. For avoidance of doubt, the Contractor shall construct a new Gantry if the Contractor find that the available Gantry is not of adequate on account of load carrying capacity and/or is not suitable for the desired output of ATMS Solution].	Health Status of existing gantries are not available and fitment of equipment, usage of existing gantry, load bearing capacity of existing gantry structure & life of existing gantry for next Six years (atleast) is not sure. Implementation agency to provide the Life certificate of existing gantry. In case any mishappening occurs due existing gantry failure, this leads to conflict between the parties. Hence for unified evaluation process, we request you to consider new gantries from all bidders to make the bid balanced for fair evaluation purpose.		As per RFP.
140	Page No. 110	4.3.14.	IHMCL Scope: ATMS Command & Control Centre - Building structure for the ATMS Command & Control Centre	Sample Drawing (preferably Autocadd) of proposed building is required for working. Kindly do the needful.		As per RFP. The drawings shall be shared with successful bidder.
141	Page No. 130 of tender document and Schedule-C, Page No. 19 of 113	2.3.2.3	Uninterruptable Power Supply UPS Sub-System Unless otherwise stated in the design drawings and/or specifications, UPS with a minimum of Six (6) hour backup shall be provided for all ATMS field equipment and telecommunications device locations. The Batteries of UPS system should be regularly replaced so as to ensure the specified back-Up.	Request you to consider Power backup of 4 hours for all field side equipments. UPS with Solar as combination needs lot of space and chances of theft and damage will be very high. We suggest/request to consider UPS with battery or some other equivalent green energy.		As per RFP.
142	Page No. 151 of tender document and Schedule-C, Page No. 40	4.3.5	i) The number of cameras & positioning of each in this system should be such that incidents are detected in both direction across all lanes and the number plate is captured for all vehicles passing under the Gantry.	Need clarity on Boq of VIDS cameras and Overview camera		As per RFP. Contractor to design the solution to meet functional requirements.
143	Page No. 152 of tender document and Schedule-C, Page No. 40	4.3.16	The led blinker shall be inter-connected with the nearby incident detection system either by cable or by wireless.	Can we use any other wireless technology instead of GSM?		As per RFP. Contractor to design the solution to meet functional requirements.
144	Page No. 161 of tender document and Schedule-C, Page No. 50	5.3.6	Measurement: a. Speed range : 1 km/h to 200 km/h b. Maximum Measuring errors: Up to 100 km/h \square \pm 3 km/h, Above 100 km/h \square \pm 5 km/h c. Minimum Monitored section length : 500 m	Minimum monitored section length is 500 mtr for VASD, it should be monitored through Overview camera(PTZ) or through Radar only for tracking of vehicles? kindly elaborate. OR We understand that the proposed system should monitor a minimum section length of 500 meters between two gantries. Please Clarify.		Please refer corrigendum.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
145	Page No. 162 of tender document and Schedule-C, Page No. 50	5.4.6	Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop.	As per the clause, " Under 5.2 Function: 6. Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop" However, according to the clause specifying the capture of "(speed and vehicle image)" for the vehicle image, an additional camera will be required for graphical images on the VASD gantry. This camera requirement is distinct from the VIDES gantry.	The decision on the camera requirement will be determined by the bidder. Alternatively, the system can be installed on the VIDES gantry to capture vehicle images through VIES cameras for the requested functionality under VASD." kindly confirm	Please refer corrigendum.
146	General	Etender Portal	1 TENDER_DOCUMENTS.part1.rar Digital Signature - 38912.00 KB 2 TENDER_DOCUMENTS.part2.rar Digital Signature - 720.57 KB	While downloading the tender document from e-portal, there are two documents with different file size and mentioned as Part-1 and Part-2. But both files are same. Kindly provide us clarity on the same.		Part 1 may be referred.
147	General	Plan & Profile If Available	NA	Kindly provide us the Plan & Profile of entire project for design purpose.		KMZ file shall be provided to the successful bidder.
148	General	Site Survey	NA	Kindly provide us approval along with contact details of concerned person for conducting site survey.		PIU Dwarka may be contacted for site visit.
149	65	Form F-2 - Cost Breakup	Form F-2 - Cost Breakup	We request you to kindly benchmark the quantities in the BOQ so that all bidders can have same consideration while proposing their solution. Also, the benchmarking will help the authority to conduct fair evaluation of all bidders.		As per RFP.
150	79	1.2.19. Advance Payment	1.2.19. Advance Payment Deleted	Since this is a system Integrator project and involves multiple OEM/Solution provider for procurement and delivery of goods. As per our procurement experience OEMs also needs advance payment to initiate the supply. Without getting any advance payment from Authority will lead to financial implications on the system Integrator and can impact the project. So, we request to kindly consider including the advance payment of at least 10% against equivalent Bank Guarantee.		As per RFP.
151	80	1.2.20. Payment Schedule	Construction Period (A) 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 System- 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 (B) 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%-	We request to kindly revise the payment terms as suggested below, as the given payment terms are not conducive to carry out the project smoothly and will have financial implications on the system integrator. Request for modification: Construction Period (A) I- Advance Payment- 10% against equivalent Bank Guarantee. II-Approval of Design, Drawings, and Documentation pursuant to Schedule-C–5% 10% III- Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone-10% IV-Supply and Installation of TMCS, VIDES & VASD System-10% V-Supply and Installation of VMS Equipment including supply of portable VMS-5% 10% VI-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% VII-Testing, Commissioning and Successful Trial Run of entire ATMS Facility-10% Total (A) 50% 70% Operation & Maintenance Period (B) 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%-		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
152	161	Chapter 5: Vehicle Actuated Speed display	5.3 Functional requirements 6. c. Minimum Monitored section length : 500 m	We understand that the proposed system should monitor a minimum section length of 500 meters between two gantries.	Kindly confirm if our understanding is correct.	Please refer corrigendum.
153	161	Chapter 5 Vehicle Actuated Speed Display	5.4 Technical Requirements 6. Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop.	As per the clause, " Under 5.2 Function: 6. Shall maintain time stamped record (speed and vehicle image) of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop" However, according to the clause specifying the capture of "(speed and vehicle image)" for the vehicle image, an additional camera will be required for graphical images on the VASD gantry. This camera requirement is distinct from VASD BOQ.	The decision on the camera requirement will be determined by the bidder. Alternatively, the system can be installed on the VIDES gantry to capture vehicle images through VIDES cameras for the requested functionality under VASD." kindly confirm	Please refer corrigendum.
154	Page 11	3.2 BID Security	3.2.1. The bidder shall furnish as part of its Bid, a Bid Security amounting to Rs 46,00,000/- (Rs Forty-Six Lakhs).	The Clause has mentioned BID Security of ₹ 46 Lakhs but we are unable to find estimated cost of the project elsewhere in the RFP Document. We request you to please clarify the estimated cost of the project and/or basis of Bid Security.		As per RFP.
155	Page 14	4.1 4.1.Pre-Qualification Criteria PQ 3 - Net worth	The Sole Bidder or all members of the JV/Consortium, in case of a Consortium must have positive Net worth in Indian Rupees as on 31 March, 2023.	The previous clause PQ-2 Annual Turnover considers the Networth of Sole/Lead Bidder of consortium/JV. We request you to kindly consider Net worth of Sole/Lead Bidder of consortium for PQ 3 as well. This will encourage industry players to collaborate with Start-ups & technical sound parties and promote an open & healthy competition.		As per RFP.
156	Page 14	4.1 4.1.Pre-Qualification Criteria 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 request you to kindly consider the Sole/Lead Bidder to meet this clause as this may be challenging for a all the consortium members to meet requirement and the sole purpose of allowing consortium is defeated.		As per RFP.
157	Page 16	4.1 4.1.Pre-Qualification Criteria PQ 5 Relevant Experience on ATMS/Intelligent Transportation System (ITS)	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 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.	The total length of road/highway to be covered under this project is less than 50 KM (Table A-3 page 91~97 of RFP). The eligibility of Min 100 KM or 3 smart cities seems to be a very stringent clause for such project. We request you to consider relaxing this clause as: 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/Smart City/Safe City/ 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 any Member(s) of the Consortium individually or combined (in case of Consortium) should have implemented, and successfully commissioned qualifying components of Smart city/safe City/ITS/ATMS Project in Minimum 50 KM of Highway / Expressway OR Minimum 1 smart city Project in India including qualifying components.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
158	Page 16	4.1 4.1.1.Pre-Qualification Criteria PQ 5 Relevant Experience on ATMS/Intelligent Transportation System (ITS)	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 (VSIDS) – 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 for e-challan	Since we have Smart city/Safe City/ATMS/ITMS projects which are not a turnkey projects including all the components as envisaged in the RFP and ATMS/ITMS Guideline for October 2023 and most of the projects were initiated with one component and progressively integrated more components in the project we would request you to kindly amend this clause as Qualifying Components of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be defined as under - i. Traffic Monitoring Camera System (TMCS) / Traffic Surveillance System ii. Vehicle Speed Detection System (VSIDS) – 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 for e-challan v. CCTV Surveillance System along with Video Management Software vi. Adaptive Traffic Management System (ATMS) vii. Intelligent Poles with Wi-Fi viii Environmental Sensors ix. Smart Lighting x. City wide Public Address System (PAS) xi. Body worn Camera xii. Bio Access Control System (ACS)	This will encourage healthy competition and promote participation from start-ups and more parties would be inclined to participate in the bid.	As per RFP.
159	Page 16	4.1 4.1.1.Pre-Qualification Criteria PQ 5 Relevant Experience on ATMS/Intelligent Transportation System (ITS)	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, VSIDS, VMS, etc. Note- Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered.	Please define the exact interpretation of ATMS integrated Software including basic components as there is no benchmark definition of this statement. Moreover, the proprietary software is the platform where various feeds & data from field devices is collaborated and need based desired output is customised. No single S/W is integrated with all the 3rd party equipments and feeds/data coming from field devices. Also the integration with all other statutory interfaces is still under trial.		As per RFP.
160	Page 86	1.2.36. Taking over	After the expiry of the Maintenance Period set forth in the Contract Agreement and any extension thereof, the Contractor shall handover the entire ATMS facility including all subsystems, equipment, software, source code, data, backup data and any other material / document set forth in this Agreement, to IHMCL or its representative in running condition.	The clause refers for the IPR and source code to be owned by the Sole Bidder/any of the member of consortium but the clause 1.2.36 Taking over, conflicts this statement as if the source code is transferred to the authority at the end of contract this will no more remain under ownership of the Bidder. This can be agreed on mutual agreement and understanding between authority and the SI based on taking care of integrity and mutual business considerations. We request you to kindly reconsider and revise the clause suitably.		As per RFP.

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161	Page 17	4.2 (6) Eligible Goods & Services & OEM Criteria	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. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality.	The option to propose Four make & Model for each components/equipments is appreciable but the documentation for all models will increase size of Technical bid to be submitted online and also attracts lot of time to collate documentation from the OEMs. More over the OEM's need to provide their undertaking vide Form T-7 Undertaking for OEM. We request you to kindly relax documentation for all the OEMs/components and make provisions for submission of required documents for approval during implementation phase before supplying the components/equipments to the site.		As per RFP.
162	Page 25	6.8 BID EVALUATION CRITERIA AND SELECTION PROCEDURE	6.8.2 A two-stage procedure shall be adopted for evaluation of the bids. 6.8.3 Bid Evaluation - First Stage: The Evaluation Committee shall carry out initial screening of technical bids by examining the statement of qualification, furnished by the Bidder in support of their fulfilment of eligibility against the criteria prescribed in this RFP. 6.8.9 Selection and award criteria: IHMCL will award the Contract to the bidder whose Bid has been determined to be responsive and who has offered the lowest price.	We request you to kindly consider the criteria based on Quality cum Cost Based Selection (QCBS) wherein in 70 : 30 ratio for Technical and Financial offer. In addition we will request you to organise mandatory field testing at any one of the designated Plaza/stretch where the prospective bidders can demonstrate the functional capabilities of their offerings before award of successful bidder and the proper justified Technical evaluation can be done. we would request you to kindly share the score matrix for all the activities to be carried out for Technical Demonstration. This will enable participants to be more precise & competitive and the enable authority to select the best possible Technology and/or SI.		As per RFP.
163	Page 64, 66 & 67	Form F-2 - Cost Breakup	Form F-1: Format for Financial Bid Submission & Form F-2 - Cost Breakup (For sample only, actual Format to be downloaded from e-tender portal for on-line submission)	The BoQ does not contain any bench mark minimum quantity. There could be a situation wherein in L1 Bidder might omit cost for some component/s or deliberately undersize the requirement. This will hamper the smooth operations of Implemented solution. This again attracts the above point of considering the QCBS based selection so that the best Technology and/or components and SI are available to authority for selection. We request you kindly consider the QCBS based selection or provide minimum benchmark requirements for apple to apple comparison of offering from each of the prospective bidder.		As per RFP.
164	Page 76	General Conditions of Contract 1.2.11. Commencement of Services	The Contractor shall commence the Services from the date of Handing over the site.	The project comprise of 4 packages and section on NH - 48. The handover of site might be different and delayed handover shall delay the execution and completion of project. Even during the implementation or O&M period events like again hamper the functioning of the deployed solution. We request you to kindly revise the clause as under: "The Contractor shall commence the Services on pro-rata basis from the date of successfully Handing over of the site (package wise) and the site construction completion period shall be 06 months from the date of commencement of services for the last lot of site handover to SI on pro-rata basis."	POC for QCBS Change of Toll Plaza Collector we request RACI Matrix for all the activities	As per RFP.
165	Page 79	1.2.19. Advance Payment	Deleted	We request you to kindly allow a mobilisation advance of 10% of the quoted price.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
166		1.2.20. Payment Schedule	The Payment Schedule Table.	The project is Capital intrinsic and the funds infused by the SI will be in greater proportion to the funds requirement during the O&M period. Therefore we request you to kindly share the burden in the ratio of 80:20 between construction period and O&M period respectively and kindly provide us the revised Payment Schedule. Even during the implementation or O&M period change of authority team / IE or TL team or consultant or even change in toll plaza operators invite re-implementation, configuration and customisation or deployed solution. we request you to kindly share the RACI matrix for all the activities for the project.		As per RFP.
167	Page 80	1.2.21. Payment during Operation & Maintenance (O&M) Period	The ATMS Contractor shall be paid Quarterly O&M payments as indicated above after the issue of completion certificate during the O&M Period. For avoidance of doubt the first O&M payment shall be eligible after three months from the date of issue of completion certificate. In the event the Contractor fails to meet the Service Level Requirement, it shall be deemed as failure of the O&M obligation of the Contractor and IHMCL shall be entitled to effect reduction in the quarterly O&M payment in accordance with Schedule-C.	During the O&M period the SI needs to disburse the salary of the deployed staff and maintenance expenses to upkeep the equipments and components including electricity charges and/or connectivity charges etc.. We request you to kindly revise the payment schedule to monthly basis in place of quarterly basis and the deductions for SLA may be adjusted quarterly to the subsequent payments due to the SI. We would also request authority to own the scope electricity provision, electricity charges, insurance and internet charges etc. and pay directly to the utilities/service providers.		As per RFP.
168	Page 80 & 81	1.2.22. Change of Scope	(b) Variation in number of VIDES or VASD or VMS with respect to those mentioned in the Schedule-B. For avoidance of doubt, any variation in quantity(ies) of equipment, support system, OFC, Civil/Mechanical Works, Software/Hardware etc. of ATMS Components whose locations are mentioned in Schedule-B or any software/App upgradation works mentioned in Schedule-C shall not constitute any Change of Scope. (c) No COS in case of TMCS, ATMS Contractor shall design TMCS to ensure full coverage of the project including main carriageway, grade separations, underpasses, service lanes etc.	Since quantities are not mentioned in BoQ to ascertain the L1 Bidder we would request you to kindly provide revised Financial Bid Format with quantities for bidders to derive quotation price. Any material change in hardware quantities and respective software licences will be an additional burden on the Bidders/System Integrators. We request you to kindly remove this clause or revise this clause with payment based on actual quantities deployed under this project based on unit price supplied during the bid submission. For any thing which is not specifically defined in the RFP by the Authority & not included in the SI Offer / Proposal we request to follow the process of COS during the implementation period.		As per RFP.
169	Page 83	1.2.26. Insurance cover to be maintained	(a) The Contractor shall ensure to maintain proper insurance coverage of all the equipment, materials, establishment against fire, theft, vandalism or any other perceived risk(s) / natural disaster etc. during the entire duration of the contract period.	The Financial For F-1 or F2 does not contain any reference to the Insurance cost. We request the authority to own the scope of insurance. Moreover in case of any theft / accidental damage the SI shall get only the depreciated value of the component / equipment / works. Therefore we request you to kindly remove the Insurance requirement from the scope of SI/Bidder and in case of any physical damage like theft or in case of accident beyond control of SI/Bidder, that cannot be repaired or covered under warranty / insurance; the payment should be made to SI for replacement. The authority can take the claim from insurance agency. SI shall provide all support and requisite information to facilitate the authority or its nominated staff.		As per RFP.
170	Page 86	1.2.36. Taking over	After the expiry of the Maintenance Period set forth in the Contract Agreement and any extension thereof, the Contractor shall handover the entire ATMS facility including all subsystems, equipment, software, source code, data, backup data and any other material / document set forth in this Agreement, to IHMCL or its representative in running condition.	Same as point 6 above. Once the source code is transferred to the authority, its IPR and ownership is transferred from the bidder to authority. Kindly revise or remove this clause.		As per RFP.

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171	Page 100 Schedule B	2. Description of the ATMS Project	Para 2 Advanced Traffic management and control system shall be composed of field equipment and sensors that will collect the information on road conditions, traffic conditions, violations, incidents, and shall send it to the ATMS Control / Traffic Management Centre (TMC) for processing. ATMS system shall provide necessary information on roads, traffic, incidents, and environment to road users, and alerts regarding violations and incidents to the enforcement agencies / rescue team 24 hours a day 365 days a year to ultimately ensure safe and smooth traffic as described in this Annex-II of Schedule-B.	We did not find any details related to SENSORS elsewhere in the RFP. We request you to kindly provide suitable details related to quantity, type, purpose and Technical specifications of sensors to be deployed and include the same in the BoQ and Financial Bid Form F-2.		As per RFP. Contractor to design the solution to meet functional requirements.
172	Page 101 Schedule B	4.1.1. General	1.1.9 Power Supply for Field Equipment as well as for ATMS Command & Control Center	The Financial Bid For F-2 does not have the breakup of O&M Items like Power/electrical charges etc. we request the authority to kindly own the scope of electrical charges etc. and share the update and revised Financial Bid Forms.		As per RFP.
173	Page 101	4.1.1 General	Second Last para: 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 are unable to locate any manpower requirement details including Number, Experience and/or qualifications. We request you to kindly provide manpower details for the ease of all the prospective bidder/s and provide the revised BOQ & Financial bid forms.		Please refer: Appendix C at page no. 217 – ATMS Control Centre Organization and Staffing
174	Page 102	Point c.	c. The ATMS Contractor will be provided with space in the Toll Plaza building for setting up of ATMS Control Centre. The Contractor shall be responsible for interior works, MEP works, etc. for construction and setting up the ATMS Control Centre, including any related electrical, lighting, generator set (preferably eco-friendly Gas powered), power backup, HVAC 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.	The details related to space, design and facilities is not available in the RFP document. The same is also not reflected in Financial Bid Form F-2. We request you to kindly share details and share the revised BOQ & Financial Bid forms.		As per RFP. Please refer F-2 form at page no. 67 Point F-8: Interior, Civil, Mechanical, Electrical and other allied works including CCTV cameras etc. as per Schedule B
175	Page 103	Point i.	i. The Contractor shall be responsible for Integration of ATMS system and sub-systems with the IHMCL Central Command Centre, TMCs and ATMS systems of other projects as per the requirement raised from time to time by IHMCL or its authorized agency. Additionally, the ATMS Solution shall include provision of IP/API based feed to enforcement agencies as per the requirements raised from time to time by IHMCL or its authorized agency.	We are unable to locate details of IHMCL Central Command Centre and TMCs and ATMS systems of other projects. This information regarding the make, model and software/s used in these projects is required to ascertain inter-operability and integration capabilities including the cost implication towards integration. We request you to kindly provide details or remove this clause.		As per RFP.
176	Page 103	Point j.	ATMS Contractor shall provide a dedicated workstation for the usage of representative of Traffic Police or other Enforcement Agency at the ATMS Control Centre.	The same is not reflected in Financial Bid as quantities are not mentioned. We request you to kindly update the BOQ & other Financial Bid Forms and share the revised forms.		As per RFP.
177	Page 103	Point 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 IHMCL or its authorized agency (IHMCL 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.	This is an open ended statement and the Financial Bid Forms also does not reflect these components. We as and SI need to know the type, technical details and number occurrence of all such integration as there is a huge financial impact of such integrations and to come to a sustainable cost we need all such details. we request authority to kindly provide all such requirements and details.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
178	Page 103	Point I.	I. Growth and maturity levels – the proposed system shall be capable of meeting the requirements arising due to the increase in traffic in the coming years without any additional cost implication to IHMCL.	This is again an open statement. We need any tentative figures to derive and design our solution with flexibility to accommodate required growth & maturity levels. We hope authority may have conducted any survey/DPR/investigation. Kindly share with the prospective bidders as we can not own and commit an umbrella statement. else we request you to kindly remove this clause.		As per RFP.
179	Page 104	4.3.1 (ii)	The tunnel management system will be equipped with separate surveillance system which would not be the part of scope of work, but the ATMS Contractor to ensure the provision of transmitting the tunnel surveillance system feed to control room (IHMCL to provide feed from tunnel cameras at one end of the tunnel) through API over OFC network with alternative radio frequency as a redundant network along with a separate video wall of minimum of 75" size shall be provided in Control Centre to monitor these tunnel cameras.	1) Clarity to be provided on the scope of the Tunnel Cameras video analytic, recording, and operation facility. 2) Is it required to provide the conversion facility of an alternative radio frequency redundant network? Kindly clarify.		As per RFP.
180	Page 118 & 121	Schedule-C, 1.2 and 1.4 d	The system would include out-door equipment including emergency call boxes.	1) As per the Page no. 108 clause no 4.3.6. and 4.3.7.The emergency call box system and Mobile Radio Communication System (MRCS) is deleted and not a part of contractor scope. Will this be considered as part of this document and requirement? Please clarify.		As per RFP. Please refer clause 4.3.6 and 4.3.7 page 108/224
181	Page 121	Schedule-C, 1.4	The communication system utilizing optic fiber, point to point wireless link, GSM/GPRS and Wi-Fi communication linked to ATMS control centre.	1) As per the Page no. 67 the Optic fiber cable communication considered. 2) Is this also required to consider the Point to point network communication system?		As per RFP: Please refer clause 9.3 System Configuration at page no. 175 out of 224.
182	Page 122	Schedule C Annexure 1.4.7 - Technical Resources / Personnel	The service provider shall form a multi-disciplinary team for undertaking this assignment. The agency shall be fully responsible to deploy its resources / personnel whose qualifications and experience fully commensurate with the task/responsibilities assigned and to achieve the objectives under the. The Personnel deployed should be experienced enough and should have proficiency in the requisite techniques / skills so as to provide practical, realistic and actionable service. Indicative minimum staffing and qualifications requirements for ATMS Control Centre and the process flow	The excerpt refers to indicative minimum staffing and qualifications requirements for the ATMS Control Centre and process flow, but benchmark requirements are not provided else where in the RFP. Kindly help us with clear benchmark details defining the minimum requirements related to manpower.		As per RFP.
183	Page 123	1.4.6.9	The Service provider shall suitably interface their ATMS system with the 24X7 National Highways Helpline (1033) to meet the Service level requirements.	Is it required to keep the recordings of the 1033 calls? Please clarify.		As per RFP. Please refer Schedule C of RFP clause 10.3.4 ATMS Software Point A Data Acquisition module page 190/224: (Audio Streams related to conversations on the 1033 Emergency Telephone ,Road-side Emergency Telephone)
184	Page 130	Schedule-C, 2.4.1	1. Mechanical and Housing- ATMS equipment not contained in a ground mounted equipment enclosure will have specific housing requirements depending on location, weather conditions and vibration from road vehicles.	we request authority to help us with clarity on this?		As per RFP.
185	Page 144	3.2 (4)	TMCS camera shall have basic intelligence for "Accident Detection" and Stalled Vehicle Detection.	Kindly clarify if the PTZ camera is required to have the "Accident Detection" and Stalled vehicle detection?		As per RFP.
186	NIL	General	Inter - Connectivity over internet.	we request you to kindly clarify and provide details pertaining to Internet Facility scope (if required under this project)		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
187	Page no. 187: 10.3.2.1 Video Wall: Page no. 200 5. Video Wall Controller:			No clear detailed Technical Specification given in tender documents. As per mentioned technical no manufacture have this type of Video Wall. Asked bezel edge less than 6mm have Horizontal and Vertical Black Lines over screen resulting irritating jailhouse for operators and supervisor. And if this is TV than not recommended for any Control Room/Surveillance/NOC application		Please refer corrigendum.
188	Page no. 198: 10.4 Key Hardware Technical Specificatio n			No details given about Video Wall Management Software. Suggest to make it DLP/Active LED technology of Video Wall as per previous tender/project installations.		As per RFP.
189	Page 15 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre- Qualification Criteria, PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	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	Request you to kindly amend above criteria as below for wider participation.... 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/ITMS/ITES Project in Minimum 100 Kms (cumulative) of Highway /Expressway OR Minimum 3 Projects for Smart City/Central/State Government departments/entities including PSUs/Autonomous Bodies as a Contractor in last 7 years prior as on the Bid due date. Note: The project/s shall be Complete and in Operation for minimum 2 years with Completion Certificate along with 2 years DLP / OEM certificate issued by State / Central Government agencies to be submitted in the technical bid. Qualifying Components of ITS/ATMS/ITMS/ITES Projects For the purpose of evaluation a qualifying project to 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, Netwok connectivity, Server ,Storage in scope along with integration of 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) with 3D Radar and ANPR solution .		As per RFP.
190	Page 16 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre- Qualification Criteria, PQ - 6 Certification	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	Request you to kindly amend above criteria as below for wider participation.... 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 thre 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) ISO 20000 for IT Service Management.		As per RFP.

Sr. No	Page no. of RFP	Clause	RFP Statement	Query	Remarks	Response
191	Page 80 of 111	1.2.20 Payment Schedule	<p>The lumpsum Contract Price Quoted by the bidder shall be paid as per following payment schedule:</p> <p>Approval of Design, Drawings, and Documentation pursuant to Schedule-C--- 5% Completion of Civil Works required for the ATMS facilities including laying of OFC Backbone--- 10% Supply and Installation of TMCS, VIDES & VASD System--- 10% Supply and Installation of VMS Equipment including supply of portable VMS--- 5% 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% Testing, Commissioning and Successful Trial Run of entire ATMS Facility--- 10%</p>	<p>Request you to change payment terms to managing cash flow and expedite timely supply and project completion as major cost consist of Field Hardware, Data Center Hardware and software majorly imported item which required advance payment and 100% before dispatch. So kindly change the clause as below.</p> <p>10 % Mobilization advance--- It would help in initial site survey, procurement and team planing, Vendor alignment etc</p> <p>ii 10% Design document approval-- as It's a capex intensive project and most of the reputed OEM worked on 100% payment on condition of delivery or before delivery of material.</p> <p>iii 60% against supply of material on prorata basis--- as It's a capex intensive project and most of the reputed OEM worked on 100% payment condition on delivery or before delivery of material. Also it will be helpful in actual cost calculation without considering any additional interest cost.</p> <p>iv 10% against Installation and Commissioning of system--- It would be helpful in managing the cash flow as it's a tough site and lot of dependencies will arise due to weather conditions, site conditions.</p> <p>v. 10% against Go Live--- It would be helpful in managing the cash flow as it's a tough site and lot of dependencies will arise due to weather</p>		As per RFP.
192	14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, S. No. 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.	Request you to kindly amend the clause as: The Sole Bidder, or all 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.		As per RFP.
193	16	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, S. No., PQ –7 - Undertaking of Blacklisting	A Bidder blacklisted/ declared ineligible by Ministry of Road Transport & Highways, Government of India or its executing agencies like IHMCL, NHIDCL etc. or any other Ministry / PSU / State / Central Government or its Department/ Enforcement agencies/ Autonomous Body etc. shall be ineligible to apply for participating in this RFP.	Request to amend the clause as: A Bidder blacklisted/ declared ineligible during the last 3 financial years by Ministry of Road Transport & Highways, Government of India or its executing agencies like IHMCL, NHIDCL etc. or any other Ministry / PSU / State / Central Government or its Department/ Enforcement agencies/ Autonomous Body etc. shall be ineligible to apply for participating in this RFP.		As per RFP.
194	Page 2 of 111	NOTICE INVITING RFP	EMD - 46 Lakh	As per revised public procurement policy for MSEs order dated 27.01.2022, it is mentioned that MSEs will be facilitated by providing tender sets free of cost and exempting MSME from payment of Earnest Money Deposit. Considering this, exemption of EMD to be provided to bidders with MSME certification.		Please refer corrigendum.
195	Page 14 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, PQ 2 - Annual Turnover	i. The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23 For the purpose of this criterion, annual turnover of only the bidding entity will be considered. Annual turnover of any parent, subsidiary, associated or other related entity will not be considered.	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. Turnover requirement as per GFR 2017 and procurement manual Guidelines of Govt of India is typically 30-40% of project value and are relaxed for MSMEs for tender participation.		As per RFP.

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196	Page 15 of 111	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria, PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS)	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	As this project is for SITC & O&M - Hence both SITC experience criteria needs to be considered for CAPEX and O&M experience of minimum 2 years for OPEX, alongwith Qualifying criteria of ATMS for Highway projects as well as ITMS for urban / smart cities projects (Should not be restricted to only Smart Cities like Delhi, Mumbai and Bangaluru have ITMS project but these are not in Smart Cities). For wider participation and competitive bidding, it is requested to amend pre-qualification criteria PQ5, as below: 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/ITMS/ITES Project in Minimum 100 Kms (cumulative) of Highway /Expressway OR Minimum 3 Projects in Indian cities for Central/State Government departments/entities including PSUs/Autonomous Bodies as a main Contractor in last 7 years prior as on the Bid due date. Note: The project/s shall be Complete and in Operation for minimum 2 years with Completion Certificate along with 2 years DLP / OEM certificate issued by State / Central Government agencies to be submitted in the technical bid. Qualifying Components of ITS/ATMS/ITMS/ITES Projects For the purpose of evaluation a qualifying project to 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, Network connectivity, Server Storage in scope allowed with		As per RFP.
197	Page no. 187: 10.3.2.1 Video Wall:			1. Point no. 1- Kindly remove matrix of 3x3 because to achieve 3m x 1.7m (as mentioned in drawing at pg. no. 122) it is possible thru 2x2 also. Over all Video Wall resolution should be 3840 x 2160 minimum. 2. Point no. 2- The typical Video Wall display size shall be 3 x 2m: Kindly make it 3 x 2m (± 15% for height). 3. Point no. 4- The monitors/display used to constructing wall display matrix shall have bezel edge sizes less than 6mm: Kindly make it bezel less Video Wall. That way Horizontal and Vertical black Lines will not visible over screen. Operator and Supervisor could monitor smooth Video Wall without any Jail House type black line. 4. Point no. 12: Separate Video Wall shall be provided for VIDES with minimum 75" Smart TV: Kindly make it 75" Interactive Panel Display because all Video Wall manufacturer have it to supply and support. 5. Pls add: Video Wall Should support 24x7 application monitoring.		Drawing on page 122 is only a illustrative drawing showing the conceptual layout of the ATMS Control Centre. Solution to be provided as per chapter 10 of schedule C. Also refer Corrigendum regarding video wall.
198	Page no. 198: 10.4 Key Hardware Technical Specification. Page no. 200 5. Video Wall Controller:			1. No details given about Video Wall Management Software kindly mention it. 2. Number of Inputs should be defined here. 3. Video Wall Display and Controller including Video Wall Management Software should be from same OEM for better integration.		As per RFP. Contractor to design the solution to meet functional requirements.

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199	108	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. There shall be NO obligation of IHMCL with regard to providing power/ electricity supply/connections for testing commission, operation & maintenance of any component of the ATMS.....	We request IHMCL to provide the raw power at the sites/locations. It is not feasible for private agencies to get power connections to the project sites. Whereas IHMCL being a government body can get it without any issues. UPS / DG can be in the scope of the bidder. Kindly consider.		As per RFP.
200	109	4.3.10. Operation & Maintenance (O&M)	Standard Operating Procedure ("SOP"): The ATMS Contractor shall design a detailed SOP Manual listing all the steps that need to be undertaken by the personnel in the Regional Command Centre and the on-road units for all incident types and sub-types.	Please advise if there is a regional command center in the project.		Please refer corrigendum.
201		Clause 1.1 Background	The construction period of the Project is 6 months and O&M Period of 5 years.	As per the, the construction period for design, testing, commissioning etc. of the ATMS project is specified as 6 months. We request you to kindly revise this timeline to 12 months in line with the scale, depth and extent of integration effort required for a highways ATMS project covering over 50km which includes a road with considerable Traffic. A 6 month timeline risks the system quality and capabilities from long term usage perspective.		As per RFP.
202		Form F-1 (2)	The Bidder is also required to furnish the detailed break up of Items considered in ATMS Works with Quantity and Rates of the equipment/work to arrive at the above quoted Lump Sum cost in the Form F-2	Bidders are required to provide a detailed rate breakup including quantity and unit rates for the various items to arrive at the quoted lump sum price. However, the RFP does not include a Bill of Quantities itself. As per established contracting best practices and guidelines under the World Bank, providing a base BOQ is recommended even in lump sum contracts. We therefore request you to furnish a detailed BOQ to help bidders make a competitive price assessment.		As per RFP.
203		Schedule C Chapter 5 VASD Clause 5.1	The VASD System shall include gantry mounted Radar and Speed Display System to warn the road users. These speed displays shall be installed to warn road users of over speeding and thereby acting as a deterrent	As per our understanding of the VASD system specifications provided in the RFP, a dedicated speed display unit is required to be installed on a per lane basis at each VASD location to display the detected vehicle speed on that lane. Kindly confirm if our interpretation for per-lane VASD display is correct as per the specifications. We request you to validate that our design assumption of lane-specific displays matches your requirements.		As per RFP: Understanding is correct.
204		Schedule C Chapter 8 MRCS Clause 8.1	The MRCS are advised to be installed on all access controlled Highways and Hilly areas at an interval of every 2 Kms	The BOQ of MRCS is only dependent on the length of the project. Hence it is requested to kindly amend the following statement as below: The MRCS are advised to be installed on all access controlled Highways and Hilly areas such that complete length of the project is covered by the system		As per RFP: Emergency Call Box and Mobile Radio Communication System are not the part of RFP.
205		General		Considering the detailed analysis required as part of our solution design process including comprehensive site surveys, we request you to kindly extend the last date of bid submission by 15 days. The additional time will allow us to formulate a well-considered proposal with appropriate site-specific customizations. We will be able to meet the requirements more effectively with the extra 2 weeks.		Please refer corrigendum.

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206	211 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 SO then the SI will get 20% less on the periodic O&M payment - The formula calculating the deductions is "(100 - SLA Point Score)%"). 3. Incase the overall performance is less than 50% in the quarter, no amount will be paid forthe entire quarter. 4. In case the score falls below 50 for two consecutive quarters, the Authority can invoke thetermination clause.	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 SO then the SI will get 20% less on the periodic O&M payment - The formula calculating the deductions is "(100 - SLA Point Score)%"). 3. Incase the overall performance is less than 50% in the quarter, no amount will be paid forthe entire quarter. Maximum penalty capping on each of the Operations & Maintenance related penalties for SLA breach would be 5% of the Overall Operation & Maintenance contract value of the Project. 4. In case the score falls below 50 for two consecutive quarters, the Authority can invoke thetermination clause.	Clause capping SLA penalty is missing in the RFP. The same should be included in line with Standard industry practice. RFP's for similar project scope (ATMS) from NHIPMPL and UPEIDA have capping on LA penalty.	As per RFP.
207	13	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	SI # - PQ 1 – Legal Entity Eligibility Conditions/Conditions (i) The Sole Bidder or the Lead Member, in case of a JV/consortium, must be a business entity incorporated in India under the Companies Act, 1956/2013 or the Limited Liability Partnerships Act, 2008. In case of a consortium/JV, the other Member of the consortium should be incorporated as per (i) above or equivalent law(s) in the country of jurisdiction of the entity subject to the following conditions:	SI # - PQ 1 – Legal Entity Eligibility Conditions/Conditions (i) The Sole Bidder or the Lead Member and the other Member in case of a JV/consortium, must be a business entity incorporated in India under the Companies Act, 1956/2013 for a period of at least 10 years as on Bid Submission Date.	Years of existence of the bidder is missing. It is a standard requirement of all RFP's to ensure bidder has proved track record of their existence in business. The project does not envisage any new technology which is not available in India. There are various Indian companies operating in ATMS / ITS with proved track record that are competent enough to bid for this project.	As per RFP.
208	14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	SI # - PQ 2 – Annual Turnover Eligibility Conditions/Conditions i. The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 60 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23 <i>For the purpose of this criterion, annual turnover of only the bidding entity will be considered. Annual turnover of any parent, subsidiary, associated or other related entity will not be considered.</i>	SI # - PQ 2 – Annual Turnover Eligibility Conditions/Conditions i. The Sole Bidder or the Lead Member, in case of JV/consortium, should have an average annual turnover of minimum Indian Rupees 100 Crore during the last three Financial Years i.e. 2020-21, 2021-22, 2022-23 and this is to be derived only from ICT/IT Infrastructure/System, Integration Services/ IT, ITES, services projects. If the bidder has different divisions, then the turnover only should be derived from ICT/IT Infrastructure/System, Integration Services/ IT, ITES, services division. <i>For the purpose of this criterion, annual turnover of only the bidding entity will be considered. Annual turnover of any parent, subsidiary, associated or other related entity will not be considered.</i>	The turnover criteria is set too low considering the size of this project. It would allow small players with insignificant experience teaming up for bidding in this project. Its should be set to minimum Indian Rupees 100 Crore.	As per RFP.

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209	14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	<p>SI # - PQ 3 - Net worth Eligibility Conditions/Conditions</p> <p>The Sole Bidder or all members of the JV/Consortium, in case of a Consortium must have positive Net worth in Indian Rupees as on 31 March, 2023.</p> <p>For the purpose of this RFP, net worth (the "Net Worth") shall mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write back of depreciation and amalgamation.</p> <p><i>For the purpose of this criterion, net-worth of only the bidding entity will be considered. Net-Worth of any parent, subsidiary, associated or other related entity will not be considered.</i></p>	<p>SI # - PQ 3 - Net worth Eligibility Conditions/Conditions</p> <p>The Sole Bidder or all members of the JV/Consortium, in case of a Consortium must have positive Net worth of Indian Rupees 25 Crore as on 31 March, 2023.</p> <p>For the purpose of this RFP, net worth (the "Net Worth") shall mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write back of depreciation and amalgamation.</p> <p><i>For the purpose of this criterion, net-worth of only the bidding entity will be considered. Net-Worth of any parent, subsidiary, associated or other related entity will not be considered.</i></p>	The network criteria is set too low considering the size of this project. It would allow small players with insignificant experience teaming up for bidding in this project. Its should be set to minimum Indian Rupees 25 Crore.	AS per RFP.
210	14	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	<p>SI # - PQ – 4 Relevant Field of Business Eligibility Conditions/Conditions</p> <p>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.</p>	<p>SI # - PQ – 4 Relevant Field of Business Eligibility Conditions/Conditions</p> <p>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 ten (10) years as on bid due date. Information regarding the same should be provided along with documentary evidence.</p>	Experience in the Field of Business is set too low considering the complexities of this project. Bidder should have a min. 10 year of experience in Field of Business to execute a project for this size.	As per RFP.
211	16	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	<p>SI # - PQ - 6 Certification Eligibility Conditions/Conditions</p> <p>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:</p> <p>a) CMMi Level 3 or above b) ISO 20000 for IT Service Management c) ISO 27001:2013 for Information Security Management System</p>	<p>SI # - PQ - 6 Certification Eligibility Conditions/Conditions</p> <p>The Sole Bidder or Any Member, in case of a Consortium, should have following valid certificates 3 Months prior to Bid Due Date:</p> <p>a) CMMi Level 3 or above b) ISO 20000 for IT Service Management c) ISO 27001:2013 for Information Security Management System d) ISO 14001: 2015 for Environment Management System certification. e) ISO 45001: 2018 for Occupational Health & Safety Management</p>	<p>All certificates should be made mandatory.</p> <p>CMMi is required to ensures level of maturity in terms of Improvement in quality of applications which is a critical component of this Project.</p> <p>Considering the Environment related issues surrounding the Delhi and NCR region, it should be must that bidders follow Environment standards with ISO 14001: 2015 for Environment Management System certification.</p> <p>Safety is a major concern while executing a project related to Road / Traffic, it should be must that bidders follow high level of standards with ISO 14001: 2015 for Environment Management System certification.</p>	As per RFP.

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212	15	4. ELIGIBILITY AND PRE-QUALIFICATION CRITERIA 4.1.Pre-Qualification Criteria	<p>SI # - PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS) Eligibility Conditions/Conditions 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</p> <p>Minimum 100 Kms (cumulative) of Highway / Expressway OR Minimum 3 Smart City</p> <p>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>SI # - PQ 5 - Relevant Experience on ATMS/ Intelligent Transportation System (ITS) Eligibility Conditions/Conditions 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</p> <p>Minimum 150 Kms (cumulative) of Highway / Expressway (with each project of minimum 50 Kms OR Minimum 3 Smart City</p> <p>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>	The technical credentials requirement under this clause are weak and would allow small ITS companies with insignificant experience to team with construction (Concessionaire) companies to bid for this projects. In such case these ITS companies show experience credentials via order executed for their consortium partners (construction companies), where verifying their credentials is a difficult task. In the past organizations like NHIPML, UPEIDA have suffered due to weak credentials. Hence we request to strengthen the technical credentials requirement.	As per RFP.
213			<p>Qualifying Components of ITS/ATMS Projects: 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 ii. Vehicle Speed Detection System (VSIDS) – 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 for e-challan</p> <p>AND</p>	<p>Qualifying Components of ITS/ATMS Projects: For the purpose of evaluation a qualifying project shall be defined as under -</p> <p>a) A qualifying Project should inter-alia mandatorily include SITC of a dedicated Command Control center with integrated centralized integrated software, Video wall, workstations, contact centre /helpdesk and integrated with at least any 3 (THREE) of the following sub-systems/ components:</p> <p>i. Traffic Monitoring Camera System (TMCS) / Traffic Surveillance System ii. Vehicle Speed Detection System (VSIDS) – 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 for e-challan</p> <p>Each qualifying Project should have a Project value of Min. INR 40 Crore.</p> <p>AND</p>		As per RFP.
214			<p>b) The bidder should own their proprietary ATMS integrated software having integration with therequired subsystems and that should be inoperation since last one year from bid due date.</p> <p>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, VSIDS, VMS, etc.</p> <p>Note- <u>Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered.</u></p>	<p>b) The bidder should own their proprietary ATMS integrated software having integration with therequired subsystems and that should be inoperation since last one year from bid due date.</p> <p>All IPR, source code etc. of the ATMS software should be owned by the Sole Bidder / Lead bidder in case 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, VSIDS, VMS, etc. The Proposed ATMS software should have been installed at Minimum 2 Highway / Expressway Projects.</p> <p>Note- <u>Experience of Civil Contractors who have executed the ITS/ATMS Works through System Integrators shall NOT be considered.</u></p>		As per RFP.

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215	79	1.2. GENERAL CONDITIONS OF CONTRACT	1.2.18. Payments 1.2.18.1. Contract Price (i) IHMCL shall make payments to the Contractor on the basis of the lump sum price quoted by the bidder in the Form F-1 and accepted by the Authority in consideration of the obligations specified in this Agreement for an amount of INR (INR) (the "Contract Price"), which shall be paid as per the Scheduled Milestone mentioned at Clause No 1.2.20.	As per our understanding, payment to the contractor shall be paid as per the Scheduled Milestone mentioned at Clause No 1.2.20. on Prorata bases during Construction Period. Kindly confirm whether our understanding is correct?	Prorata payment during Project Implementation Stage is required to maintain healthy cashflow to ensure smooth project execution without any financial burden.	As per RFP.
216	104	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	we understand that the minimum quantity of the field equipments to be quoted as per location schedule mentioned from page no 104 onwards with some addition or deletion after site survey		As per RFP, bidder to design solution to meet functional requirements.
217	106	4.3.2	The availability of Gantry at certain locations are mentioned only to facilitate the ATMS Contractor to provide ATMS Solution at that location. However, the Contractor shall be solely responsible to achieve the desired level of SLA and adequacy while using the available Gantry.	We request IHMCL to share the structural details of the existing Gantry/Poles to ascertain that structure is capable to handle certain wind pressure.		As per RFP. Bidder to conduct site survey before bidding and propose solution accordingly.
218	108	4.3.9	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.	We request IHMCL to share average availability of Mains power in a day to calculate solar requirement as a backup plan		As per RFP.
219	104	4.3.1	The tunnel management system will be equipped with separate surveillance system which would not be the part of scope of work, but the ATMS Contractor to ensure the provision of transmitting the tunnel surveillance system feed to control room (IHMCL to provide feed from tunnel cameras at one end of the tunnel) through API over OFC network with alternative radio frequency as a redundant network along with a separate video wall of minimum of 75" size shall be provided in Control Centre to monitor these tunnel cameras	We understand that the feed of cameras will be provided upto nearby ATMS location through OFC by IHMCL. Alternative communication over Radio Frequency is also in scope of IHMCL. Video wall is in Contractor scope as per BOQ mentioned on page number 67		As per RFP. Please refer clause 4.3.1 page 104/224
220	111	Schedule-C	The Contractor shall comply with the Specifications and Standards set forth in Annex-I of this Schedule-C for the ATMS Project	There are many statements in Annexure 1 which are contradictory to RFP for Example "As per page no 38 of Annexure 1 for VIDES system it is mentioned that Rajmarg Yatra app should be provided but there is no provision of such app in BOQ on page no 67" .		As per RFP.