

CORRIGENDUM -1

Dated: 18.07.2024

RFP for Design, Supply, Installation, Testing, Commissioning and Operation & Maintenance of Advanced Traffic Management System on Lucknow Ring Road (LRR) of NH-230 on OPEX mode

RFP Reference No.: IHMCL/ATMS/LRR/2024/01 published on dated 28.06.2024.

The following Corrigendum/Addendum is issued:

Sl. No	Section	Original RFP Clause	RFP Clause to be read as
1.	RFP Clause 4.3.1, point (i), Video Surveillance System / Traffic Monitoring Camera System (TMCS):	The system monitors vehicular and other road related activity along the entire highway stretch (including but not limited to main carriage way (elevated and at grade roads), roads below elevated highway, service roads, and underpasses etc,) through PTZ Camera mounted on Poles. The camera should be placed at a distance not greater than 1km so as to effectively monitor all the lanes of the entire stretch of Highway. In case certain stretches include regular curves, ramps etc not allowing central line of sight, then additional TMCS camera shall be put to ensure full coverage through effective surveillance on the entire stretch. In case of different grade levels at same location, ATMS contractor at their discretion to use single pole for two cameras, or single camera for different levels depending on their design for proper surveillance coverage at all locations. Notwithstanding, this project will have minimum 105 TMCS cameras and these locations are only indicative locations may vary as per site conditions.	The system monitors vehicular and other road related activity along the entire highway stretch (including but not limited to main carriage way (elevated and at grade roads), roads below elevated highway, service roads, and underpasses etc,) through PTZ Camera mounted on Poles. The camera should be placed at a distance not greater than 1km so as to effectively monitor all the lanes of the entire stretch of Highway. In case certain stretches include regular curves, ramps etc not allowing central line of sight, then additional TMCS camera shall be put to ensure full coverage through effective surveillance on the entire stretch. In case of different grade levels at same location, ATMS contractor at their discretion to use single pole for two cameras, or single camera for different levels depending on their design for proper surveillance coverage at all locations. Notwithstanding, this project will have minimum 105 160 TMCS cameras and these locations are only indicative locations may vary as per site conditions.
2.	RFP Clause 4.3.2, Video Incident Detection and Enforcement System (VIDES)	Video Incident Detection and Enforcement System (VIDES) The VIDES should be provided at following locations:	Updated list of locations for VIDES is provided at Annexure-1
3.	RFP Clause 4.3.3, Vehicle Actuated Speed Display (VASD) System	Vehicle Actuated Speed Display (VASD) System VASD System should be provided at following locations:	Updated list of locations for VASD is provided at Annexure-1
4.	RFP Clause 4.3.4, Variable Message Sign (VMS) System, Fixed VMS, Gantry (M Type)	Variable Message Sign (VMS) System, Fixed VMS, Gantry (M Type) The VMS shall be installed at following locations:	Updated list of locations for VMS is provided at Annexure-1

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5.	PART-III DRAFT FORM OF CONTRACT AGREEMENT, Clause 4.3	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.	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. The indicative KMZ file available with IHMCL can be downloaded from the following Google Drive link: https://drive.google.com/drive/folders/12mxhzrk_7CdXOf5OP7H5a5yv3odZ2a9m																								
6.	Form F-1, Format for Financial Bid Submission	Form F-1, Format for Financial Bid Submission	Updated Format for Financial Bid Submission is provided at Annexure-2																								
7.	Section 2, SCHEDULE OF IMPORTANT EVENTS / ACTIVITIES	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>EVENT(S)</th> <th>DATE (Unless otherwise notified separately)</th> </tr> </thead> <tbody> <tr> <td>4.</td> <td>Last date/time for online submission of bids (i.e. Bid due date)</td> <td>22-07-2024 upto 03:00 PM</td> </tr> <tr> <td>4.</td> <td>Opening of Technical bids</td> <td>23-07-2024 at 03:30 PM</td> </tr> <tr> <td>5.</td> <td>Opening of Financial bids</td> <td>To be intimated to shortlisted/pre-qualified bidders separately</td> </tr> </tbody> </table>	Sl. No.	EVENT(S)	DATE (Unless otherwise notified separately)	4.	Last date/time for online submission of bids (i.e. Bid due date)	22-07-2024 upto 03:00 PM	4.	Opening of Technical bids	23-07-2024 at 03:30 PM	5.	Opening of Financial bids	To be intimated to shortlisted/pre-qualified bidders separately	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>EVENT(S)</th> <th>DATE (Unless otherwise notified separately)</th> </tr> </thead> <tbody> <tr> <td>4.</td> <td>Last date/time for online submission of bids (i.e. Bid due date)</td> <td>29-07-2024 upto 03:00 PM</td> </tr> <tr> <td>5.</td> <td>Opening of Technical bids</td> <td>30-07-2024 at 03:30 PM</td> </tr> <tr> <td>6.</td> <td>Opening of Financial bids</td> <td>To be intimated to shortlisted/pre-qualified bidders separately</td> </tr> </tbody> </table>	Sl. No.	EVENT(S)	DATE (Unless otherwise notified separately)	4.	Last date/time for online submission of bids (i.e. Bid due date)	29-07-2024 upto 03:00 PM	5.	Opening of Technical bids	30-07-2024 at 03:30 PM	6.	Opening of Financial bids	To be intimated to shortlisted/pre-qualified bidders separately
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8.	Clause-4.3.4.1.2. Portable VMS	The Contractor shall provide 2 (Two) nos of Trolley Mounted Portable VMS for the user information. The portable VMS shall have the facility to communicate the ATMS control centre over GSM/3G/4G GPRS communication layer which enable the portable VMS to be used as a standby VMS to display the informative/alert messages based upon the VIDES incidents as and when required.	The Contractor shall provide 2 (Two) 4 (Four) nos of Trolley Mounted Portable VMS for the user information. The portable VMS shall have the facility to communicate the ATMS control centre over GSM/3G/4G GPRS communication layer which enable the portable VMS to be used as a standby VMS to display the informative/alert messages based upon the VIDES incidents as and when required.																								

Annexure-1

4.3.2. Video Incident Detection and Enforcement System (VIDES)

The VIDES should be provided at following locations:

Sl.No.	Chainage	MCW/ Spur BHD / Spur Spt	LHS/RHS/BHS	Gantry Availability (Yes/ No)
1	0	MCW	LHS	No
2	3.5	MCW	BHS Split	No
3	12.5	MCW	BHS Split	No
4	20.3	MCW	BHS Split	No
5	30	MCW	BHS Split	No
6	41	MCW	BHS Split	No
7	55	MCW	BHS Split	No
8	65	MCW	BHS Split	No
9	75	MCW	BHS Split	No
10	88	MCW	BHS Split	No
11	99	MCW	BHS Split	No
12	105	MCW	RHS	No

4.3.3. Vehicle Actuated Speed Display (VASD) System

VASD System should be provided at following locations:

Sl. No.	Chainage	MCW/ Spur BHD / Spur Spt	LHS/RHS/BHS	Gantry Availability (Yes/ No)**
1	8.5	MCW	BHS Split	No
2	36	MCW	BHS Split	No
3	52	MCW	BHS Split	No
4	77	MCW	BHS Split	No
5	97	MCW	BHS Split	No

4.3.4. Variable Message Sign (VMS) System

The VMS shall be installed at following locations:

Sl. No.	Chainage(Km)	MCW/ Spur BHD / Spur Spt	LHS/RHS/BHS	Gantry Availability (Yes/ No)**
1	1.4	MCW	BHS Split	No
2	12	MCW	BHS Split	No
3	24	MCW	BHS Split	No
4	38	MCW	BHS Split	No
5	44	MCW	BHS Split	No
6	66	MCW	BHS Split	No
7	94	MCW	BHS Split	No

Annexure-2 - Format for Financial Bid Submission

Only cells having yellow color to be filled by bidder, Bidders need to fill ONLY the yellow cells	
Name of RFP	RFP for Design, Supply, Installation, Testing, Commissioning and Operation & Maintenance of Advanced Traffic Management System on Lucknow Ring Road of NH-230
Name of Bidder	
Bid Invitation Date	28.06.2024
Form F-1: Format for Financial Bid Submission	
Dear Sir, I/We, the undersigned having examined the above referred RFP including addendums thereof and, hereby offer to submit our bid to undertake the subject assignment with total bid value as per milestone and break-up furnished below.	

Form F-1: Format for Financial Bid Submission						
S.No.	Work Description	Unit	Qty	Unit Rate (in Rs.) Excluding GST (C)	Total Amount (In Rupees)	Remarks
1	Supply and Installation of 1 x 2 lane gantry including all material, manpower, machinery, civil, mechanical etc. works all complete as per the specification given in the RFP to the satisfaction of Authority	Nos	41		0	
2	Supply and Installation of 1 x 3 lane gantry including all material, manpower, machinery, civil, mechanical etc. works all complete as per the specification given in the RFP to the satisfaction of Authority	Nos	5		0	
3	Supply and Installation of Poles for TMCS including all material, manpower, machinery, civil, mechanical etc. works all complete as per the specification given in the RFP to the satisfaction of Authority	Nos	160		0	
4	Quarterly payment during O&M Period after Installation, Testing & Commissioning of ATMS Solution complete as per RFP subject to SLA requirement mentioned in RFP	Quarter	20		0	Equals Unit Rate x 20 quarters (Project Duration)
5	Total Cost Excluding GST					"Quoted Price (=Grand Total of Form F-1) (in Rupees)"

1. I/We do hereby confirm that my/ our bid price includes all statutory taxes/ levies but excluding service tax/ GST (as applicable). I/ We also declare that any tax, surcharge on tax and / or any other levies, if altered in future and payable under the law, the same shall be borne by me/ us.

2. The quantities of pole given at S.No.3 above are indicative and the actual quantity will depend upon the design of TMCS as per Schedules.
3. The payment against S.No. 1, 2 & 3 shall be done on pro-rata basis for actual quantity of gantry/poles constructed at site.
4. The sum of amount quoted at S.No. 1, 2 & 3 should not be more than 5% of total cost at S.No. 5. In case the sum of amount quoted at s.no. 1, 2 & 3 is more than 5% of total cost at S.No. 5, the payment during the construction phase shall be capped to 5% of the total cost at S.No. 5 above and the remaining eligible amount shall be paid as part of quarterly O&M cost i.e. S.No. 4.
For illustration- If a Bidder has quoted Rs. 15 for item no. 1, 2 & 3 (Total) and Total Cost is Rs. 100 (item no. 5), then Rs. 5 will be paid for item no. 1 ,2 & 3 on pro-rata basis during construction phase and remaining eligible payment shall be added to quarterly O&M cost (item no. 4) spread over O&M period.
5. 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. Financial Bids will be summarily rejected and will not be considered in evaluation if it is submitted without submitting duly filled Form F-2
6. The Grand Total of Form F-2 should not be greater than 100% of the O&M Cost quoted by bidder in S. No 4 of Form F-1. In case the Grand Total of Form F-2 is greater than 100%, then the depreciated cost in terms with clause no. 1.2.34(2)(ii) point (b) of General Conditions of Contract of RFP shall be calculated on the ceiling limit of 100% of amount quoted in S. No. 5 of Form F-1
7. This bid is valid for a period of 120 calendar days from the bid due date. However, IHMCL reserves the right to increase the validity period before the expiry of the validity period of 120 days.
8. I/ We, understand that the
(a) applicable service tax/ GST (as applicable on services) shall be reimbursed by IHMCL separately on production of proof of payment and CA certificate; and
(b) TDS will be deducted against payments as per Applicable Law.

Only cells having yellow color to be filled by bidder, Bidders need to fill ONLY the yellow cells

Form F-2 - Cost Breakup				
Sl. No.	Item Description	Unit	Unit Rate (Rs.) (ex. GST)	Total Amount (Rs.)
A	TMCS			0
1	PTZ Camera	Nos		-
2	LPU with all network equipment	Nos		-
3	Video Analytics for TMCS Module	LS		-
4	Any other item TO BE SPECIFIED here for completing the TMCS mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)			-
B	VIDES			0
1	Overview Camera (including nightvision)	Nos		-
2	Side view camera (s) for ATCC	Nos		-
3	ANPR Camera with IR Flasher	Nos		-
4	LPU with all network equipment	Nos		-
5	Video Analytics for VIDES Module	LS		-
6	Blinkers (Warning flashing light integrated with VIDES)	Nos		-
7	Radar (Leave empty if visual speed detection being used)**	Nos		-
8	Any other item TO BE SPECIFIED here for completing the VIDES mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)			-
C	VASD			0
1	Radar	Nos		-
2	Display	Nos		-
3	LPU with Networking equipment			-
4	Any other item TO BE SPECIFIED here for completing the VASD mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)			-
D	VMS			0
1	VMS Fixed (M-Type)			-
2	Trolley Mounted Portable VMS			-

3	Networking equipment with interface card and accessories			-
4	Any other item TO BE SPECIFIED here for completing the VMS mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)			-
E	ATMS Control Centre			0
1	Video wall for TMCS			-
2	Video Wall for VIDES			-
3	Desktops including peripherals			-
4	Network Colour Printer			-
5	Servers/Cloud and Data Storage including peripherals (NVR / CAMERA SERVER with NAS/RAID Backup device) all complete as per the Standards & Specifications			-
6	ATMS Software including 3 party software, Map, GIS, GUI, CC, Module Controller, Firewall Central AI, Integration with VAHAN, 1033/CAD, Rajmarg app etc all complete as per the Standards & Specifications	LS		-
7	Interior, Civil, Mechanical, Electrical and other allied works including CCTV cameras etc. as per Schedule B	LS		-
8	Any other item TO BE SPECIFIED here for completing the ATMS Control Centre mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)			-
F	100MBPS Internet Connection	LS		-
Grand Total				-
Note				
1	Bidder shall fill up the quantities and Unit rate of the equipment/services/software etc. as mentioned above to meet the scope of work for the desired functional requirement mentioned in Schedule B as per standards and specifications mentioned in Schedule-C. Any variation in quantities/missed out item(s) shall not attract any additional payment/ change of scope.			
2	**The Contractor shall mention the Quantities and Rates of Radar if Speed Detection is proposed through Radar System			
3	The Grand Total of Form F-2 should not be greater than Total Amount of O&M Cost at S. No 4 of Form F-1. In case the Grand Total of Form F-2 is greater than Total Amount of O&M Cost at S.No. 4 of Form F-1, then the depreciated cost in terms with clause no. 1.2.34(2)(ii) point (b) of RFP shall be calculated on the ceiling limit of Total Amount at S. No. 4 of Form F-1.			
4	Form F-2 is only for calculation of Depreciated Cost as per Clause 1.2.34(2)(ii) point (b) of General Conditions of Contract of Request for Proposal (RFP). L-1 Bidder will be selected only on the basis of the quoted cost in Form F-1			
5	The line items not applicable in the proposed design of bidder maybe left blank			
6	The rates shall include all statutory taxes/ levies but excluding service tax/ GST (as applicable).			