

## CORRIGENDUM -2

Dated: 27.12.2023

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

RFP Reference No.: IHMCL/ATMS/2023/01 published on dated 23.11.2023.

The following Corrigendum/Addendum is issued:

SI No	Section	Original RFP Clause	RFP Clause to be read as
1.	Chapter 5, Vehicle Actuated Speed Display, Section 5.3, Point 6, Page no 161	c. Minimum Monitored section length: 500 m	c. Minimum Monitored length <b>shall be 90 meter or better</b>
2.	Chapter 5, Vehicle Actuated Speed Display, Section 5.4, Point 6, Page no. 162	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.	Shall maintain time stamped record of each case of over speeding in a log file that can be retrieved over the connected network or using a locally connected laptop.
3.	RFP Clause 1.1.3, Page no. 9	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	<b>Stands Deleted</b>
4.	RFP Clause 3.2, Page no. 11	New Clause	<b>New Clause 3.2.5</b> 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-1 of this Corrigendum. This should be part of physical document submission and shall be applicable wherever mentioned in the RFP. <b><u>No exemption is allowed in case the bidder is participating in the bid as JV/Consortium.</u></b>

SI No	Section	Original RFP Clause	RFP Clause to be read as												
5.	Part II – Form F-1 and F-2, Format for Financial Bid Submission, Page no. 66	Format for Financial Bid Submission	Revised Financial Bid Submission Form is provided at Annexure 2 of this Corrigendum.												
6.	Chapter 4, Video Based Incident Detection and Enforcement Systems, Clause 4.3.1 point (b) page no. 150	b. Overview Camera (wide range with 60-100m viewing) with IR or Thermal or other Night Vision Mechanism for 60-100m range.	b. Overview Camera (wide range with 60-100m viewing) with IR or Thermal or other Night Vision Mechanism for 60-100m range. Additional camera(s) par with the specifications of overview camera may be added for viewing from side for ATCC purposes.												
7.	Chapter 4, Video Based Incident Detection and Enforcement Systems, Clause 4.3.3.4, ATCC, Page no. 157	1. The ANPR Cameras monitoring every lane shall be use for Automatic Traffic Counting and Classification  2. Each Vehicle Passing from under the Gantry shall be recorded by the ANPR camera. The same will be used to classify the vehicle that is passing.  7. The ATMS software shall also identify vehicles whose Class as identified by the camera visually don't match the class returned from the NPCI FASTag mapper API. These violations shall be passed on PD or IHMCL for further action.	1. The VIDES cameras in combination or otherwise, shall be used for visual Automatic Traffic Counting and Classification.  2. Each Vehicle Passing from under the Gantry shall be recorded by the ANPR camera.  7. The ATMS software shall also identify vehicles whose Class as identified by the camera visually don't match the class returned from the NPCI FASTag mapper API. These violations shall be passed on PD or IHMCL for further action along with photographs and other evidence.												
8.	Chapter 4, Video Based Incident Detection and Enforcement Systems, Point 2, Page no. 157- 158	Clause 4.4. Video Camera (Overview) <table border="1" data-bbox="483 1052 953 1230"> <tr> <td>b.</td> <td>Imager</td> <td>Interline transfer 1/3" format CMOS</td> </tr> <tr> <td>f.</td> <td>Minimum Illumination</td> <td>0.15 Lux (F1.2, AGC On) at 50m IRE</td> </tr> </table>	b.	Imager	Interline transfer 1/3" format CMOS	f.	Minimum Illumination	0.15 Lux (F1.2, AGC On) at 50m IRE	Clause 4.4. Video Camera (Overview and Sideview) <table border="1" data-bbox="997 1089 1474 1207"> <tr> <td>b.</td> <td>Imager</td> <td>1/3" format CMOS</td> </tr> <tr> <td>f.</td> <td>Minimum Illumination</td> <td>0.15 Lux (F1.2, AGC On) at 100 m IRE</td> </tr> </table>	b.	Imager	1/3" format CMOS	f.	Minimum Illumination	0.15 Lux (F1.2, AGC On) at 100 m IRE
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9.	Chapter 4, Video Based Incident Detection and Enforcement Systems, Clause 4.5. ANPR Camera, Point 12, Page no. 159	<table border="1" data-bbox="483 1257 927 1404"> <tr> <td>b.</td> <td>Imager</td> <td>Interline transfer 1/3" format CMOS with Full HD with Global Shutter</td> </tr> </table>	b.	Imager	Interline transfer 1/3" format CMOS with Full HD with Global Shutter	<table border="1" data-bbox="997 1257 1479 1341"> <tr> <td>b.</td> <td>Imager</td> <td>1/3" format CMOS with Full HD with Global Shutter</td> </tr> </table>	b.	Imager	1/3" format CMOS with Full HD with Global Shutter						
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10.	Appendix C - ATMS Control Centre Organization and Staffing, Clause 1.1. The Organization., Page no. 217	<table border="1" data-bbox="483 1509 912 1661"> <thead> <tr> <th>No</th> <th>Role / Position</th> <th>No of Personnel</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Incident Operations Staff</td> <td>1 per 5 VIDS per system</td> </tr> </tbody> </table>	No	Role / Position	No of Personnel	4	Incident Operations Staff	1 per 5 VIDS per system	<table border="1" data-bbox="997 1509 1474 1661"> <thead> <tr> <th>No</th> <th>Role / Position</th> <th>No of Personnel</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Incident Operations Staff</td> <td>1 per 5 VIDS per shift</td> </tr> </tbody> </table>	No	Role / Position	No of Personnel	4	Incident Operations Staff	1 per 5 VIDS per shift
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11.	Schedule C, Chapter 3, Video Surveillance System/ Traffic Monitor Camera System (TMCS), Clause	r)- Tilt Range +10 to -92 degrees	r)- Tilt Range +10 to - 90 degrees or better												

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	3.4. Technical Requirements, Point 12, Page no. 147																				
12.	Schedule B - RFP Clause 4.2, Implementation Plan, Point 3, Page no. 103	Dwarka Expressway Pkg-2 (Including TMC-2)	Dwarka Expressway Pkg-2																		
13.	Schedule B - RFP Clause 4.3.10, Operation & Maintenance (O & M), Point (iv), Page no. 109	(iv) 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.	(iv) The ATMS Contractor shall design a detailed SOP Manual listing all the steps that need to be undertaken by the personnel in the <b>Command Centre</b> and the on-road units for all incident types and sub-types.																		
14.	Schedule C, Chapter 10, Clause 10.1 Scope, Point (iii), Page no. 181  And  Clause 10.3.2.1. Video Wall (large display board), Page no. 187	1. The video wall shall typically be a matrix of 3x3 but the controller shall be capable and flexible enough to accommodate varied different monitor matrix geometries as dictated by space availability or constraints.  2. The typical video wall display size shall be 3x2m.  12. Separate Video Wall shall be provided for VIDS with minimum 75" smart TV	1. <b>Individual monitor utilized should be full HD or better.</b> The video wall controller shall be capable and flexible enough to accommodate varied different monitor matrix geometries as dictated by space availability or constraints.  2. The typical video wall display size shall be <b>a minimum of 4.5 x 2 m.</b>  12. Separate Video Wall shall be provided for VIDEOS with minimum 75" <b>full HD</b> smart TV																		
15.	RFP Clause 4.3.1. point (ii), Page no. 104	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.	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 <b>shall</b> 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. <b>A separate display on minimum 75" full HD smart TV shall be provided in Command and Control Centre to monitor these tunnel cameras.</b>																		
16.	Section 2, SCHEDULE OF IMPORTANT EVENTS / ACTIVITIES	<table border="1"> <thead> <tr> <th>SI 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><b>Before 15:00 Hrs. 03/01/2024</b></td> </tr> <tr> <td>5.</td> <td>Opening of Technical bids</td> <td><b>15:30 Hrs. 04/01/2024</b></td> </tr> </tbody> </table>	SI No.	EVENT(S)	DATE (Unless otherwise notified separately)	4.	Last date/ time for online submission of bids (i.e. Bid due date)	<b>Before 15:00 Hrs. 03/01/2024</b>	5.	Opening of Technical bids	<b>15:30 Hrs. 04/01/2024</b>	<table border="1"> <thead> <tr> <th>SI 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><b>Before 15:00 Hrs. 09/01/2024</b></td> </tr> <tr> <td>5.</td> <td>Opening of Technical bids</td> <td><b>15:30 Hrs. 10/01/2024</b></td> </tr> </tbody> </table>	SI No.	EVENT(S)	DATE (Unless otherwise notified separately)	4.	Last date/ time for online submission of bids (i.e. Bid due date)	<b>Before 15:00 Hrs. 09/01/2024</b>	5.	Opening of Technical bids	<b>15:30 Hrs. 10/01/2024</b>
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# Annexure 1 - Bid Securing Declaration Form

(To be submitted by Bidder on the Letter head)

Date: \_\_\_\_\_

RFP Ref.

\_\_\_\_\_

To,

COO,

IHMCL

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
  - i. fail or reuse to execute the contract, if required, or
  - ii. fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.
- c) I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of
  - i. the receipt of your notification of the name of the successful Bidder; or
  - ii. thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

## Annexure 2: Format for Financial Bid Submission

### Form F-1: Format for Financial Bid Submission

*(For sample only, actual Format to be downloaded from e-tender portal for on-line submission)*

	<b>Only cells having yellow color to be filled by bidder, Bidders need to fill ONLY the yellow cells</b>
<b>Name of RFP</b>	
<b>Name of Bidder</b>	
<b>Bid Invitation Date</b>	

#### 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.

<b>Form F-1: Format for Financial Bid Submission</b>	
<b>Work Description</b>	<b>Quoted Price (=Grand Total of Form F-2) (in Rupees)</b>
<b>Design, Supply, Installation, Testing, Commissioning, and Operation &amp; Maintenance of Advanced Traffic Management System on Dwarka Expressway (NH-248BB) and existing Delhi Gurgaon section of NH-48 as one Combined Loop on EPC mode in the State of Delhi / Haryana</b>	<b>0.00</b>

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 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
3. Financial Bids will be summarily rejected and will not be considered in evaluation if it is submitted without submitting duly filled Form F-2
4. 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.
5. 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	Quantity	Unit Rate (Rs.) (ex. GST)	Total Amount (Rs.)
<b>A</b>	<b>TMCS</b>				<b>0</b>
1	PTZ Camera	Nos			-
2	Pole with cabinet for UPS & network equipment	Nos			-
3	LPU with all network equipment	Nos			-
4	Video Analytics for TMCS Module	LS			-
5	Civil & Mechanical Works	LS	1		-
6	Any other item <b>TO BE SPECIFIED here</b> for completing the TMCS mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
<b>B</b>	<b>VIDES</b>				<b>0</b>
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	Gantry with cabinet for UPS & network equipment	Nos			-
6	Video Analytics for VIDES Module	LS			-
7	Blinkers (Warning flashing light integrated with VIDES)	Nos			-
8	Civil & Mechanical Works	LS	1		-
9	Radar (Leave empty if visual speed detection being used)**	Nos			-
10	Any other item <b>TO BE SPECIFIED here</b> for completing the VIDES mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
<b>C</b>	<b>VASD</b>				<b>0</b>
1	Radar	Nos			-
2	Display	Nos			-
3	Gantry with cabinet for UPS & network equipment	Nos			-

4	LPU with Networking equipment				-
5	Civil & Mechanical Works	LS	1		-
6	Any other item <b>TO BE SPECIFIED here</b> for completing the VASD mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
<b>D</b>	<b>VMS</b>				<b>0</b>
1	VMS Fixed (M-Type)				-
2	Trolley Mounted Portable VMS				-
3	Gantry with cabinet for UPS & network equipment				-
4	Networking equipment with interface card and accessories				-
5	Civil & Mechanical Works	LS	1		-
6	Any other item <b>TO BE SPECIFIED here</b> for completing the VMS mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
<b>E</b>	<b>OFC Backbone</b>				<b>0</b>
1	OFC connectivity with all necessary hardware.				-
2	Civil & Mechanical Works (including trenching, laying, backfilling, wherever applicable Manhole, Handhole etc. all complete)	LS	1		-
3	Any other item <b>TO BE SPECIFIED here</b> for completing the OFC mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
<b>F</b>	<b>ATMS Control Centre</b>				<b>0</b>
1	Video wall for TMCS				-
2	Video Wall for VIDES				-
3	Video wall for Tunnel Camera Feed				-
4	Desktops including peripherals				-
5	Network Colour Printer				-
6	Servers/Cloud and Data Storage including peripherals (NVR / CAMERA SERVER with NAS/RAID Backup device) all complete as per the Standards & Specifications				-
7	ATMS Software including 3 party software, Map, GIS, GUI, CC, Module Controller, Central AI, Integration with VAHAN, 1033/CAD, Rajmarg app etc all complete as per the Standards & Specifications	LS	1		-



8	Interior, Civil, Mechanical, Electrical and other allied works including CCTV cameras etc. as per Schedule B	LS	1		-
9	Any other item <b>TO BE SPECIFIED here</b> for completing the ATMS Control Centre mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nil)				-
G	Power supplies for field equipment and ATMS Control Centre for 24*7 operation including renewable source, connections and UPS etc.	LS	1		-
H	Installation, Testing & Commissioning	LS	1		-
I	O&M for 60 Months including Spares to cater the SLA requirement, Vehicle, Manpower, <b>Electricity, overhead</b> etc	Mon	60		-
<b>Grand Total</b>					-

Note

- 1 Bidder shall fill up the quantities and 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 line items not applicable in the proposed design of bidder maybe left blank
- 4 The rates shall include all statutory taxes/ levies but excluding service tax/ GST (as applicable).

# Annexure 3: Undertaking for Compliance

**Subject:** <RFP Name> - **Undertaking for Compliance**

**Name of the Bidder:** .....

S. No.	Equipment Name	OEM Name* Proposed by Bidder
1.	CCTV PTZ (TMCS) Cameras	
2.	Video Camera (Overview and Sideview)	
3.	ANPR Camera	

\* The Bidder shall mention name of all the OEM(s) being proposed for the concerned equipment.

We undertake that the minimum specifications of the equipment mentioned in the RFP shall be provided by the above OEM(s) proposed by us in our ATMS solution to meet the functional requirements mentioned in the RFP.

Bidder Name: .....

Name of Person Holding Power of Attorney: .....

Signature:.....

Date:.....