

CORRIGENDUM -5

Dated: 22.04.2024

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

RFP Reference No.: IHMCL/ATMS/2023/03 published on dated 14.02.2024.

The following Corrigendum/Addendum is issued:

SI No.	Section	Original RFP Clause	RFP Clause to be read as
1.	<ul style="list-style-type: none">NIT, Background Page no. 8,1.1.2. Page no. 8,1.2 General Conditions of Contract 1.2.12 Expiration of Contract Page no, 781.2.16. Time Schedule Page No. 80Annex-I Schedule B	Construction Period of Six (06) months.	The Construction Period may be read as Nine (09) months wherever applicable.
2.	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. The L-2 bidder shall be kept in reserve and may be invited to match the Bid submitted by the Lowest Bidder, in case such Lower Bidder withdraws or is not selected for any reason. In the event that L-2 Bidder does not match the Bid of the Lowest Bidder, the Authority may, in its discretion, shall invite fresh bids.	(a) IHMCL will award the Contract to the selected bidder whose Bid has been determined to be responsive and who has offered the lowest price subject to the provision of Clause no. 6.8.9 (b) of RFP. (b) Notwithstanding anything to the contrary contained in this RFP, if the BOT concessionaire (M/s DA Toll Road Private Limited) of "Six laning of Delhi-Agra Section of NH-2 in the state of Haryana and UP from Km. 20.500 to Km. 200.00 under NHDP Phase-V as BOT (Toll)", is also a responsive bidder and its bid does not exceed the lowest bid by more than 10% (ten percent) thereof, the Concessionaire shall have the option of matching the lowest bid in terms of the selection criteria, subject to submission of bid security to the Authority and thereupon becomes the selected Bidder. For the avoidance of doubt, it is clarified that no claim for compensation, damages, loss of profits etc. by the lowest bidder for

Sl No	Section	Original RFP Clause	RFP Clause to be read as
			<p>unbecoming selected bidder, shall be admissible from the Authority. The bid security of the bidder unbecoming the selected bidder shall be released subsequently.</p> <p>Further, for the purpose of responsiveness of the bid of BOT concessionaire (M/s DA Toll Road Private Limited), if it participated in the bidding process duly submitting the Bid Security, Forms (T-3, T-7, T-9 & T-15) it shall be deemed to fulfil all the requirements of clause 4.1 of the RFP, in terms of the Clause no. 16.5.1. of Concession Agreement of “Six laning of Delhi-Agra Section of NH-2 in the state of Haryana and UP from Km. 20.500 to Km. 200.00 under NHDP Phase-V as BOT (Toll)”</p>
3.	4.1. Pre-Qualification Criteria Sl. No. (b)	New Clause	<p>Notwithstanding anything to the contrary contained in this RFP, if the BOT concessionaire (M/s DA Toll Road Private Limited) of “Six laning of Delhi-Agra Section of NH-2 in the state of Haryana and UP from Km. 20.500 to Km. 200.00 under NHDP Phase-V as BOT (Toll)”, is also a responsive bidder and its bid does not exceed the lowest bid by more than 10% (ten percent) thereof, the Concessionaire shall have the option of matching the lowest bid in terms of the selection criteria, subject to submission of bid security to the Authority and thereupon becomes the selected Bidder. For the avoidance of doubt, it is clarified that no claim for compensation, damages, loss of profits etc. by the lowest bidder for unbecoming selected bidder, shall be admissible from the Authority. The bid security of the bidder unbecoming the selected bidder shall be released subsequently.</p> <p>Further, for the purpose of responsiveness of the bid of BOT concessionaire (M/s DA Toll Road Private Limited), if it participated in the bidding process duly submitting the Bid Security, Forms (T-3, T-7, T-9 & T-15) it shall be deemed to fulfil all the requirements of clause 4.1 of the RFP, in terms of the Clause no. 16.5.1. of Concession Agreement of “Six laning of Delhi-Agra Section of NH-2 in the state of Haryana and UP from Km. 20.500 to Km. 200.00 under NHDP Phase-V as BOT (Toll)”</p>
4.	Part II – Form T-9, Format for Submission of Detailed	Format for Submission of Detailed methodology and technical work plan Supported with broad system architecture and design.	Revised Form T-9 is provided at Annexure 3 of this Corrigendum.

SI No	Section	Original RFP Clause	RFP Clause to be read as
	methodology and technical work plan Supported with broad system architecture and design., Page no. 53		
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 1 of this Corrigendum.
6.	New Clause – Schedule B 4.13 – Highway/Expressway	New Clause	The KML file of the project may be accessed through below link: https://drive.google.com/drive/folders/1EGJsD6BVXPjz-5v6INQGPYzWdH0wPv4C?usp=sharing
7.	Schedule C, Chapter 2, Clause 2.2.5, s.no. 5	Detailed design drawings and structural calculations for each type of pole, gantry or structure (including foundations) used to mount ATMS equipment shall be submitted to the NHAI and/or the NHAI's nominated representative for approval after due certification by a Licensed Structural Engineer using state of the art softwares. The design calculations shall be carried out in accordance with relevant MoRTH/IRC standards where applicable.	Detailed design drawings and structural calculations duly vetted from any of the Indian Institute of Technology (IIT)/ National Institute of Technology (NIT) for each type of pole, gantry or structure (including foundations) used to mount ATMS equipment shall be submitted to the IHMCL and/or the IHMCL's nominated representative for approval. The design calculations shall be carried out in accordance with relevant MoRTH/IRC standards where applicable. The vetting should also include making a reference for seeking value engineering besides for checking adequacy of designs.
8.	Schedule C, Chapter 10, Clause 10.4, s.no. 3 Camera/ File/Database Server	Disk writer: CD, DVD and Blu Ray	Data Export should be either through integrated CD/DVD/Blue-Ray writer or through secure network-based access with workstation with above mentioned disc writing and data export capabilities.
9.	Schedule C, Chapter 4, Clause 4.3, s.no. 14	There shall be at least two such warning lights/VMS each mounted typically at a distance of 200 meters and 300 meters before the incident monitoring point (Gantry location) when seen from the direction of travel. The above distances shall be suitably optimized during detailed engineering	There shall be at least two such warning lights/VMS each mounted typically at a distance of 150 meters and 250 meters before the incident monitoring point (Gantry location) when seen from the direction of travel. The above distances shall be suitably optimized during detailed engineering
10.	Schedule C, Chapter 2, Clause 2.7, point 8	Modular Data & API Integrations: All the data generated for incidents, violations, traffic etc as collected by various sensors will be integrated with ATMS command centre software/data. This data may be required to be shared with NHAI HQ through API in raw or aggregated format as desired through APIs.	Modular Data & API Integrations: All the data generated for incidents, violations, traffic etc as collected by various sensors will be integrated with ATMS command centre software/data. This data may be required to be shared with NHAI HQ through API in raw or aggregated format as desired through APIs. The ATMS software should also have API provision

SI No	Section	Original RFP Clause	RFP Clause to be read as
			for third-party software to pull stored data/video/pictures by providing date, time, equipment id etc. which will be used for calculation of SLAs.
11.	Schedule C, Chapter 2, Clause 2.2.5, s.no. 17	New Clause	The Contractor should propose walkable gantries for ATMS Components. For reference schematic image of gantry is provided at Annexure 2 of Corrigendum.
12.	Schedule C, Chapter 9, Clause 9.6 Sl. No. 2 (a)	a) The Back bone OF Cable shall have a fibre count of minimum 12 fibres (24 cores). This cable shall not be used for any other connectivity.	a) The Back bone OF Cable shall have a fibre count of minimum 24 cores. This cable shall not be used for any other connectivity.

Annexure 1: 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	
Name of Bidder	
Bid Invitation Date	

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	
Work Description	Quoted Price (=Grand Total of Form F-2) (in Rupees)
RFP for Design, Supply, Installation, Testing, Commissioning and Operation & Maintenance of Advanced Traffic Management System on Delhi to Agra Section of NH-19 on EPC mode	0.00

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, NHA 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 NHA 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.)
A	TMCS				0
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 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	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 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	Gantry with cabinet for UPS & network equipment	Nos			-
4	LPU with Networking equipment				-
5	Civil & Mechanical Works	LS	1		-
6	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	Gantry with cabinet for UPS & network equipment				-

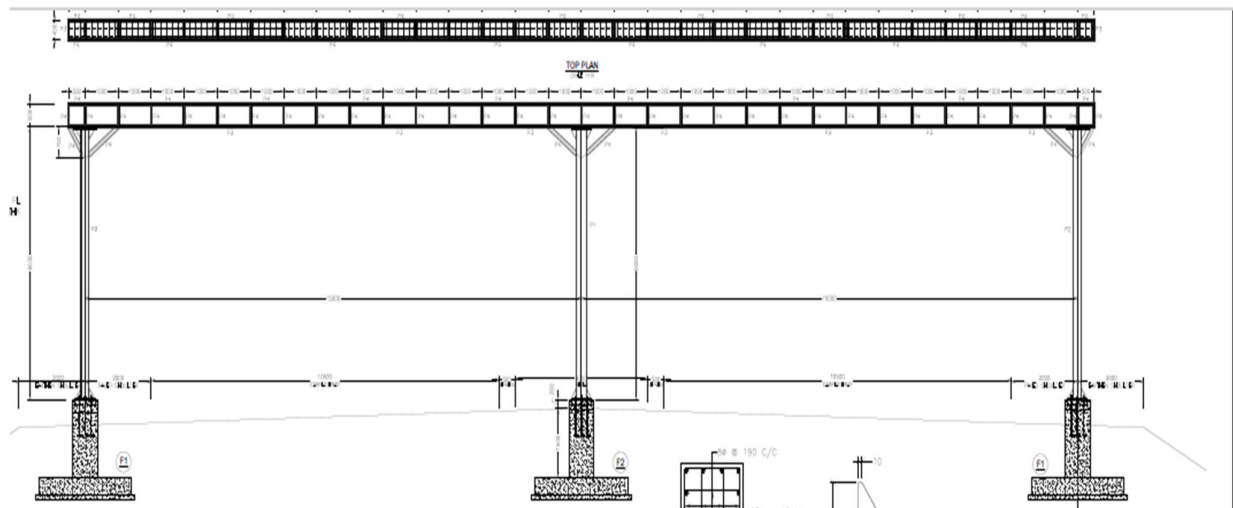
4	Networking equipment with interface card and accessories				-
5	Civil & Mechanical Works	LS	1		-
6	Any other item TO BE SPECIFIED here for completing the VMS mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
E	OFC Backbone				0
1	OFC connectivity 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 TO BE SPECIFIED here for completing the OFC mentioned in Schedule B as per standard and specification mentioned in Schedule C (Leave blank if nill)				-
F	For two 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, 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	100 mbps internet connection	Nos			
9	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)				-
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, Electricity, overhead, etc.	Mon	60		-
Grand Total					-

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).
- 5 **There are 2 Command and Control Centre proposed in the project, quantities for Sl. No. F should be inline with the same.**

Annexure 2: Schematic Image of Walkable Gantry



Annexure 3: Revised Form T-9 Format for Submission of Detailed methodology and technical work plan

Form T-9 Format for Submission of Detailed methodology and technical work plan

Supported with broad system architecture and design.

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

Ref: RFP No. on above subject.

NOTE:

i. Submission under this item is subject to evaluation under technical bid, while giving information, the bidders are advised to strictly focus and address the topic/sub-topic as asked for in a structured manner. Any superfluous submission shall be at bidders' risk.

ii. IHMCL/IHMCL's Representative may seek clarification on any of the submission made by the bidder in form T-9. Any superfluous submission or inconsistent clarification with respect to site condition, is liable to make

Dated: /...../2024

- i. **System design document for field systems with a List of items with quantity and location of equipment:**

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S.No.	Equipment	Chainage (Km.)	LHS/RHS/BHS
1.	TMCS
2.	TMCS
3.	TMCS
Total Quantity			

ii. **Command & Control Center Hardware design document with a list of items with quantity Software architecture & components**

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iii. **Methodology of implementation:**

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iv. **Equipment Delivery Schedule and Time schedule to complete the entire work supported with Bar Chart, including the civil works for ATMS:**

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v. **Make, model, specs, and Brochure of all major components (hardware & software)*:**

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vi. Any other aspects the Bidder may wish to add:

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vii. System Design (Hardware and Software) of typical VIDES and TMCS unit proposed.

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viii. Total manpower being proposed as per design by designation.

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*Any equipment/hardware not conforming to OEM criteria given in RFP shall make the bid liable to be rejected.