

Indian Highways Management Company Limited  
(IHMCL)

Limited RFP for Selection of System Integrator for  
implementation of Hybrid ETC System at Toll Plazas on  
National Highways

Tender No. IHMCL/LTE-RFP/HYBRID ETC/2019/01

Indian Highways Management Company Limited (IHMCL)

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## PART-I: NOTICE INVITING APPLICATIONS

1. Bids are invited in continuation to RFQ released on 14-Aug-2018 for shortlisting of System Integrator(s) for Implementation of Hybrid ETC System at Toll Plazas on National Highways and Limited RFP released on 11-Sep-2018 for Selection of System Integrators for implementation of Hybrid ETC System at Toll Plazas on National Highways from Eligible Bidders who have been empaneled by IHMCL via Tender Number IHMCL/HETC/2018/08.
2. The Terms and Conditions or any other information unless specifically mentioned in the this Limited RFP ref: - IHMCL/LTE-RFP/HYBRID ETC/2019/01 published on dated 15.Jan.2019 shall be considered of previous RFQ ref IHMCL/HETC/2018/08 published dated 14.Aug.2018 and Limited RFP ref IHMCL/LTE-ETC/HYBRID ETC/2018 published on dated 11.Sep.2018.

## PART II: KEY DATES

SI. No.	Event Description	Date
1.	Invitation of RFP	15 January 2019
2.	Bid Due Date(Online Submission)	22 January 2019 (Upto 1500 Hrs IST)
3.	<ul style="list-style-type: none"> <li>Physical submission of Bid Security, and other relevant documents (if any)</li> <li>Opening of Documents submitted physically and financial bids</li> </ul>	<ul style="list-style-type: none"> <li>23 January 2019 (Upto 12:00 Hrs IST)</li> <li>23 January 2019 (Upto 16:00 Hrs IST)</li> </ul>
4.	Letter of Award (LOA)	Within 7 days of Financial Opening
5.	Submission of PBG	Within 7 days of issue of LoA
6.	Validity of Bid	120 days from Bid Due Date
7.	Signing of Agreement	Within 15 days of award of LOA
8.	Completion of Work	Within 45 days of Signing of Agreement

**PART-III : INSTRUCTIONS TO BIDDERS**

**3.1 EMD/ Bid Security Submission**

The Bidder shall furnish, as part of the Bid, Earnest Money Deposit (EMD) /Bid Security for an amount INR 20,00,000/- (Rupees Twenty Lakh only).

**3.2 ASSIGNMENT TIMELINES**

The following table captures the key events and their associated timelines

Serial No.	Event	Timelines
1.	Submission of detailed report based on site assessment survey	Within 15 days from the date of signing of contract agreement, or date of issuance of instruction for commencement notice issued by IHMCL, whichever is later.
2.	Submit schedule for work execution plan for each toll plaza	Within 5 days of submission of Site Survey Report
3.	Supply, install and commission all the items as required under this RFP	Within 45 days (inclusive of Serial no. 1 & 2) from the date of signing of contract agreement, or date of issuance of instruction for commencement notice issued by IHMCL, whichever is later.

\* The above timelines shall prevail over the assignment timelines mentioned in RFP dated 11-Sep-2018.

**3.3 DAMAGES**

Failure of the service provider to adhere the timelines specified in the RFP shall attract a penalty @ 0.1 % of the total cost of the toll plaza (as per financial proposal submitted by the bidder) for each day of delay in implementation. The total levied penalty, however, shall not exceed 10% of the assignment cost.

**3.4 PERFORMANCE STANDARDS**

3.3.1 The equipment installed at Toll Plazas must adhere to the standards as specified in the RFQ IHMCL/HETC/2018/08 dated 14 Aug 2018. Additionally, the service provider is also required to ensure that the installation of TMS adheres to the following requirements:

3.3.1.1 High system accuracy in the capture, processing, communication and reporting of Toll Transactions and associated information.

3.3.1.2 Fast response times to ensure minimum waiting times for the road

user at the Toll Plaza. The service provider is required to ensure that the vehicle throughput for cash lanes is @ 240 vehicles per hour and @ 1200 vehicles per hour for dedicated FASTag lanes.

- 3.3.1.3 Optimization of user interactions with the system (especially those like Toll Collectors and System auditors) to enhance user productivity and the prevention of user fatigue. This shall also include the implementation of adequate ergonomic features in the user interfaces as well as rapid response times to user commands.
- 3.3.1.4 High levels of performance in communicating with associated systems with respect to frequency, completeness and error-free communication.
- 3.3.1.5 High level of data security and integrity. In general, the system shall be completely tamper-proof.
- 3.3.1.6 The software, based on its design (including its architecture) and build, shall ensure the meeting of the above essential requirements. In addition, it shall also be designed and built to meet current industry requirements of software systems / products.
- 3.3.1.7 The design shall be based on an established system architecture that ensures quality attributes of adequate system availability, modifiability, performance, security, testability & usability.
- 3.3.1.8 The software should be designed to allow for easy modification as per requirements. For example, the dedicated FASTag lane may be modified to not accept cash. Changes as these should not require updates exceeding three (3) days in the software.
- 3.3.1.9 The software should have features to generate the following reports at a minimum and mail them automatically to designated officials at defined frequency
  - 3.3.1.9.1 Revenue Reports
    - a. Shift Collection Report
    - b. Manual/Cancel Report
    - c. Till Time Collection report
    - d. Periodic system collection Report
    - e. Transaction Report
    - f. Periodic Transaction Report
    - g. Day Collection Report
    - h. Discrepancy Transaction Report
  - 3.3.1.9.2 Traffic Reports
    - a. Lane Wise Report (with split of electronic and manual collection)
    - b. Class Wise Report
    - c. Traffic Count Report
    - d. Traffic count summary Report

- e. Monthly Traffic Report
- f. Dedicated Lane ETC Traffic Report (Separate report)

3.3.1.9.3 Other Reports

- a. Lane Wise AVC Accuracy Report
- b. Equipment Downtime Report
- c. Violation Report
- d. Unclassified Transaction Report

**4.1 BID FORM**

**(To be submitted physically in Bidder's Letter Head)**

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

From,

To,

(Name & Address of the Bidder)

General Manager

Indian Highways Management Co. Ltd.

2<sup>nd</sup> Floor, MTNL Building, Sector -19,

Dwarka , New Delhi 110075

Subject: \_\_\_\_\_

Ref.: Tender No \_\_\_\_\_

Dear Sir/Madam,

After examining/reviewing the Bidding Documents for \_\_\_\_\_ etc. the receipt of which is hereby duly acknowledged, we, the undersigned, are pleased to bid to execute the whole of the Job for the item in conformity with, the said RFP Documents, including Corrigendum / Addenda Nos. \_\_\_\_\_.

We confirm that this bid is valid for a period of 120 days from the date of opening of Bid, and it shall remain binding upon us and may be accepted by any time before the expiration of that period.

If our bid is accepted, we will provide the required performance guarantee as per the tender document.

Until a final Contract is prepared and executed between us, the bid together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above Contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988" and other applicable law. We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

(Signature of the Authorized signatory):

Name and Designation of the Authorized signatory: Name and Address of Bidder:

Phone, Fax & E-Mail

#### 4.2 UNDERTAKING

Bidders are required to resubmit the undertaking only if there have been changes in the statements asserted in the RFQ No. IHMCL/HETC/2018/08, dated 14<sup>th</sup> August 2018. Bidders may refer to the same RFQ for the format of the undertaking.

#### 4.3 POWER OF ATTORNEY

Bidders are required to resubmit the Power of Attorney only if there have been changes in the statements asserted in the RFQ No. IHMCL/HETC/2018/08, dated 14<sup>th</sup> August 2018. Bidders may refer to the same RFQ for the format of the same.

#### 4.4 FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)

Successful Bidders shall be required to submit the Performance Bank Guarantee as per the format prescribed in RFQ No. IHMCL/HETC/2018/08, dated 14<sup>th</sup> August 2018.

#### 4.5 FORMAT FOR FINANCIAL BID SUBMISSION

(To be submitted on in the excel format as available on the e-procurement portal)

### APPENDIX 1. TOLL PLAZAS INCLUDED WITHIN THE SCOPE OF THE PROJECT

The subsequent table captures the list of toll plazas within the scope of the project

S.No.	Toll Plaza Name	RO	PIU	Total Lanes
1	Sosukhurd	Ranchi	Dhanbad	6
2	Runni	Patna	Darbhangha	8
3	Gulalpurva	Lucknow	Lucknow	6
4	Banushi	Dehradun	Rudrapur	8
5	Mathur	Chennai	Chennai	10
6	Basapuram	Vijayawada	Anantpura	6
7	D.C Palli	Vijayawada	Nellore	6



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<b>8</b>	Buchireddypalem	Vijayawada	Nellore	6
<b>9</b>	Durgamvaripalli	Vijayawada	Tirupati	6
<b>10</b>	Panikoili	Bhubaneswar	Bhubaneswar	8
<b>11</b>	Boothakudi	Madurai	Trichy	10
<b>12</b>	Chittampatti	Madurai	Trichy	10
	<b>Total no. of lanes</b>			<b>90</b>