

**CORRIGENDUM -2**

Dated: 21.05.2024

Limited RFP for Selection of System Integrator for Implementation, O&M Services of ETC System and Refurbishment, O&M services of Weigh-in-Motion & Static Weigh Bridge System at Toll Plazas on National Highways. RFP No. IHMCL/N-LTE-RFP/HYBRID ETC/2024/03 published on dated 03/05/2024.

S. No	RFP Clause	Original Clause of RFP	To be read as																		
1	RFP Clause 7.7 Annexure-B,	Clause 7.7, Annexure-B, The subsequent table captures the list of toll plaza(s) within the scope of the project: -	RFP Clause 7.7, Updated Annexure -B  The table provided at Annexure - 2 captures the toll plazas under this RFP:																		
2	RFP Clause 7.5 Format for Financial bid submission	Format for Financial bid submission	Updated financial bid is provided at Annexure -1 of this Corrigendum																		
3	New Clause 7.11 Annexure-G	New Clause - Annexure-G - Status of Equipments for Fee plazas to provide O&M services of existing ETC, WIM & SWB system	New Clause 7.11 - Annexure G - Status of Equipments for Fee plazas to provide O&M services of existing ETC, WIM and SWB system, refer updated Annexure-B.  Refer Annexure -3 of this Corrigendum																		
4	New Clause 7.12 Annexure-H	New Clause - Annexure-H - Compliance for Commencement of O&M services	New Clause 7.12 - Annexure H - Compliance for Commencement of O&M services  Refer Annexure -4 of this Corrigendum																		
5	RFP Clause 6.8, Payment Terms, New Clause (o)	Payment Terms - New Clause for Fee Plazas (Providing O&M services of existing ETC, WIM & SWB system, refer (Annexure-B)	Payment Terms - New Clause for Fee Plazas (Providing O&M services of existing ETC, WIM & SWB system, refer (Annexure-B) provided at Annexure 5 of this Corrigendum																		
2	Part III SCHEDULE OF THE TENDER (KEY DATES)	<table border="1"> <thead> <tr> <th>S.no</th> <th>Event Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Bid Due Date (Online Submission)</td> <td>21-05-2024 (Upto 17:00 Hrs IST)</td> </tr> <tr> <td>5</td> <td>Bid Due date for physical submission of following documents at IHMCL office: - EMD/Bid Security (not required in case of EMD)</td> <td>21-05-2024 (Upto 17:00 Hrs IST)</td> </tr> </tbody> </table>	S.no	Event Description	Date	4	Bid Due Date (Online Submission)	21-05-2024 (Upto 17:00 Hrs IST)	5	Bid Due date for physical submission of following documents at IHMCL office: - EMD/Bid Security (not required in case of EMD)	21-05-2024 (Upto 17:00 Hrs IST)	<table border="1"> <thead> <tr> <th>S.no</th> <th>Event Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Bid Due Date (Online Submission)</td> <td>28-05-2024 (Upto 17:00 Hrs IST)</td> </tr> <tr> <td>5</td> <td>Bid Due date for physical submission of following documents at IHMCL office: - EMD/Bid Security (not required in case of EMD submission)</td> <td>28-05-2024 (Upto 17:00 Hrs IST)</td> </tr> </tbody> </table>	S.no	Event Description	Date	4	Bid Due Date (Online Submission)	28-05-2024 (Upto 17:00 Hrs IST)	5	Bid Due date for physical submission of following documents at IHMCL office: - EMD/Bid Security (not required in case of EMD submission)	28-05-2024 (Upto 17:00 Hrs IST)
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S. No	RFP Clause	Original Clause of RFP		To be read as	
			submission through online payment) Power of Attorney and Undertaking (refer Clause 7.2 and 7.3)		through online payment) Power of Attorney and Undertaking (refer Clause 7.2 and 7.3)
		6	Opening of requisite documents submitted online (like Bid form, PoA, Undertaking & Bid declaration form)	22-05 2024, 17:00 Hrs IST	6 Opening of requisite documents submitted online (like Bid form, PoA, Undertaking & Bid declaration form) <b>29-05 2024, 17:00 Hrs IST</b>

**Annexure 1 - Updated Format for Financial Bid Submission**

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

**Annexure -2 - Toll Plazas Under this RFP (Annexure B)**

The subsequent table captures the list of toll plaza(s) within the scope of the project: -

S.no	RO	PIU	Plaza Name	Total Lanes	Remarks
1	Bhopal	Gwalior	Choundha	10	Supply, Installation & O&M of ETC system including Refurbishment, testing commissioning of Weigh In Motion System and Static Weigh Bridge System including <b>civil</b> , material, labour, machinery, equipment and integration of Weigh in Motion System and Static Weigh Bridge System with TMS all complete
2	Bhopal	Gwalior	Jajau	10	
3	Bhopal	Gwalior	Mehra	8	
4	Lucknow-East	Gorakhpur	Chaukadi	8	
5	Lucknow-East	Lucknow	Ahmadnagar	10	
6	Lucknow-East	Gorakhpur	Mandwanagar	10	
7	Lucknow-East	Lucknow	Ronahi	10	
8	Lucknow-East	Lucknow	Nawabganj	17	Supply, Installation & O&M of ETC system including Supply, Refurbishment, installation, testing commissioning of Weigh In Motion System and Static Weigh Bridge System including <b>civil</b> , material, labour, machinery, equipment and integration of Weigh in Motion System and Static Weigh Bridge System with TMS all complete
9	Chandigarh	Ambala	Saini Majra	10	O&M of ETC system including testing commissioning of Weigh In Motion System and Static Weigh Bridge System and integration of Weigh in Motion System and Static Weigh Bridge System with TMS all complete

**Annexure 5 - Payment Terms For Fee Plazas (Providing O&M services of existing ETC, WIM and SWB system, refer (Annexure-B)**

- i. IHMCL shall release the payment on a quarterly basis for O&M services subject to Go Live with CCH and completion of Integration MSWIM & SWB system with TMS and with TMCC application.
- ii. The Successful Bidder shall submit invoice to IHMCL on a quarterly basis in hardcopy with a forwarding letter with all supporting documents as per requirement. The invoice shall be processed only after receipt of physical copies, unless specified otherwise by IHMCL. The invoices should be submitted at IHMCL office after completion of the quarter and not later than 7th of subsequent month of the quarter.
- iii. Quarterly Payment for a toll plaza shall be derived as per formula below -

<b>Quarterly Payments = (A * B) - C</b>
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Where,

**A** = Quarterly rate per lane for providing O&M services of ETC system installed at toll plaza (In Rs.) as per Quoted Value submitted in the financial bid.

**B** = No. of lanes at the fee plaza where O&M services of ETC system are in effect by the Bidder (at the beginning of the Quarter)

**C** = Penalty amount, or deductions, if any

- iv. Additional Equipment (For equipment which are Not available at the fee plaza as per status mentioned in **Annexure-G**), 100 % payment shall be released upon delivery, Installation and Commissioning of equipment at site location. The work completion shall be verified by representative from concerned PIU/IHMCL. No payment shall be released for partial delivery of additional equipment. Service provider shall also submit Technical System Specification Delivery Compliance Report as per format mentioned in **Annexure-H** along with equipment specification sheet from OEM.
- v. To claim the Quarterly O&M payment, the Service Provider must notify IHMCL/concerned PIU upon completion of work at the respective fee plazas in accordance with the Contract Agreement. Subsequently, IHMCL/Concerned PIU will conduct a visit to the fee plaza to verify the status of equipment as outlined in **Annexure-H**. The O&M services will be considered commencement once all equipment/criteria specified in the format are confirmed to be compliant by the Service Provider.

**Annexure-3 - Status of Equipments for Fee plazas to provide O&M services of existing ETC, WIM & SWB system (Annexure G), refer updated Annexure-B**

7.11 Annexure-G

The existing Status of ETC system equipment and Weigh in Motion & Static Bridge at the fee plazas is as below: -

a) Saini Majra

S.no	Equipment Name	Total Qty to be available	Equipment Status	Year Of Installation
<b>A</b>	<b>Lane Level Equipment</b>			
1	RFID ETC transceiver near Pay-axis - mounted on canopy	10	Available	2019
2	Lane Controller with Industrial PC	10	Available	2019
3	AVC including sensors. Loop & detectors	10	Available	2019
4	User Fare Display with mounting pole	10	Available	2019
5	Automatic Barrier Gate	10	Available	2019
6	Overhead Lane Status light (OHLS)	10	Available	2019
7	Traffic light with mounting pole	10	Available	2019
8	Loops with detector	20	Available	2019
9	Incident Capture Camera with mounting pole	10	Available	2019
10	License Plate Image Capture Camera with mounting poles	10	Not Available	2019
11	Customized industrial grade keyboard	10	Available	2019
12	TFT Monitor	10	Available	2019
13	Thermal Receipt Printer	10	Available	2019
14	Violation light & Alarm (on existing pole) and Foot switch in booth	10	Available	2019
15	Booth CCTV camera	10	Available	2019
16	Intercom Slave unit in booth	10	Available	2019

S.no	Equipment Name	Total Qty to be available	Equipment Status	Year Of Installation
17	Lane Level UPS	10	Not Available	2019
18	Weigh in Motion	10	Available	2019
<b>B</b>	<b>Plaza Level Equipment</b>			
1	Intercom Master unit	1	Available	2019
2	CCTV cameras for Plaza building surveillance (server room, control room, cash room, admin)	4	Available	2019
3	ETC Server (Plaza)	1	Available	2019
4	Workstations for MIS, Cashup, Audit & LSDU	3	Available	2019
5	24 Port Network switch (Layer 3)	2	Available	2019
6	UPS system as required for complete ETC system (10 KVA or above)	2	Available	2019
7	Network Video Recorder (NVR)	1	Available	2019
8	Firewall	1	Available	2019
9	Servo Stabilizer (60 KVA -3 phase or as available at the plaza)	1	Not Available	2019
10	Aadhar based Geo-fenced smart attendance system with timing and face recognition	1	Not Available	2019
11	Static Weigh Bridge	2	Available	2019

## Annexure 4 - Compliance for Commencement of O&M services (Annexure H)

### 7.12 Annexure-H - Compliance for Commencement of O&M services:

<b>Lane Level Equipment</b>					
S.No	Equipment Description	Lane 1	Lane 2	Lane 3	Lane... n
1	RFID ETC transceiver near Pay-axis – (mounted on canopy/Pole as per site feasibility)				
2	Lane Controller with Industrial PC				
3	AVC including sensors, Controller, loop and detector				
4	User Fare Display with mounting pole				
5	Automatic Barrier Gate				
6	Overhead Lane Status light (OHLS)				
7	Traffic light with mounting pole				
8	Loop with detector				
9	Incident Capture Camera/Lane Monitoring Camrera with mounting pole				
10	TFT Monitor				
11	Customized industrial grade keyboard				
12	Thermal Receipt Printer				
13	Violation light & Alarm (on existing pole) and Foot switch in booth				
14	Booth CCTV camera with voice recording				
15	Intercom Slave unit in booth				
16	Lane Level UPS including Battries				
17	Automatic Number-Plate Recognition Camera				
18	Weigh in Motion				
<b>Plaza Level Equipment</b>					
S.No	Equipment Name	Status			
1	ETC Server (Plaza)				
2	Workstations for MIS, Cashup, Audit & LSDU System (in control room)				
3	24 Port Network switch (Layer 3)				
4	Provision for Internet services (02 Qty) wqth static IP addresses, ensuring a minimum bandwidth equivalent to 2 mbps per lane				
5	UPS system as required for complete ETC system (10 KVA or above) including Battries				
6	Network Video Recorder (NVR) for CCTV (Booth Camera, Lane Monitoring Camera and Plaza Building Camera) recording with minimum 60 days of storage				
7	CCTV cameras for Plaza building surveillance (server room, control room, cash room, admin)				
8	Master Intercom System				
9	Servo Stabilizer (60 KVA -03 phase)				
10	Firewall Hardware				
11	Static Weigh Bridge				
<b>Status of Supplied, Installation &amp; Commissioning of Not Available Equipment</b>					
S.No	Equipment Name	Qty	Status	Specification as per Contract Agreement(Yes/ No)	
1					
2					
S.No	General Cheklist	Status			
1	ANPR Functionalit in all lanes usin				
2	ICD 2.5 migration				
3	Software Migration in Lane System and Plaza System				
4	Installation and commissioning of additional eequipment				
5	Performance of RFID Reader i.e. , Manual Transaction Count > 10% of Total FASTag transaction				
6	AVC Accuracy >98% in all lanes				
7	Taking a complete backup of the database from the previous System Integrator and storing all fieldsof data in the system application by service provider				