

**ROAD CONSTRUCTION DEPARTMENT
GOVT. OF BIHAR**

**Short Request for Expression of Interest
EOI Number: EOI RM-01/19**

Road Construction Department invites Expression of Interest to implement Digital Evidence Based Bill Certification System under OPRMC.

Companies having experience in implementing Artificial Intelligence system for automation and interested in providing solutions are requested to send their consent in prescribed vender response form to give presentation about the solution before the departmental officers on due date on email- ce.roadmaintenance@gmail.com.

- Date of Issue of this EOI : 22-01-2019
- Last date and time of submission of Vendor response form : 03-02-2019, 5:00 PM
- Date and time of presentation : 04-02-2019, 11:00 AM
- Place of Presentation : RCD Conference Hall, at Visheshvesaraiya Bhawan, Bailey Road, Patna

Description of Requirements

Road Construction Department Government of Bihar would be maintaining approx 14000 Km of State highway and major district roads under long term output and performance based contract (OPRMC) system. In performance based contract system, The contractor is paid for maintaining the road in pre defined and agreed service levels for the contract period of 7 years.

Such service levels are set standards from road users perspective. There are approximately 27 items under which defects can be identified which should require intervention from the contractor to rectify and bring back the road in standard service level in response time. Contractor gets a monthly lump sum payment for keeping the road in standard service level for the whole month.

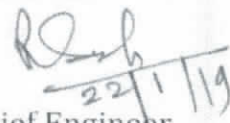
Compliance requirement of standard service level of road would require an automatic identification of service level thorough the use of artificial

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K. S. Singh
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IT Manager
Patna
28/01/19

intelligence software, associated hardware, sensors, Cameras and vehicle/drone system. Above system should require least human intervention in locating and reporting securely and robustly, the defects on the roads to the control room. Data thus obtained shall be part of central data base and should be able to generate report for the certification of contractor's, monthly bill for payment. The solution should be modular and scalable.

Further details of EOI such as list of defects to be identified on roads, Vendor response form can be seen on departmental website www.rcd.bih.nic.in/

Further query if any may be done on email- ce.roadmaintenance@gmail.com and mobile No.-8544402062

Handwritten signature and date: 22/1/19

Chief Engineer
Road Maintenance,
Road Construction Department,
Bihar, Patna

List of defects to be identified on Roads

Sl. No	Description
1	Potholes in Pavement
2	Edge break of Pavement
3	Digout in Pavement
4	Depression in Pavement
5	Cracks in Pavement
6	General defects in surface of Pavement
7	Loose deposit on Pavement
8	Broken Concrete surface
9	Water logging on shoulder
10	Rutting on shoulder
11	Hard Shoulder/Paver block/ Tile damage
12	Open drain choking
13	Chocked Culvert vent
14	Damaged Drain structure
15	Shurbs on Shoulder
16	Shurbs on ROW
17	Island Landscape
18	Tree Paints
19	Inclined sign board post
20	Damaged Sign board
21	Delineator & Hazard Makers not found
22	Crooked guide posts
23	Electric Pole Paint
24	Missing Guard Post, Cats eye
25	Bridge deck defects
26	Parapet railing, painting
27	Ponding of water on road surface

VENDOR RESPONSE FORM

Legal company name -

Address -

City -

Country -

Telephone Number -

Email Address -

We are willing to provide solution and as such shall participate or presentation on the due date.

Signature

Date

Name of Title