



**GOVERNMENT OF INDIA**  
**MINISTRY OF ROAD TRANSPORT & HIGHWAYS**  
**S,R&T (R)**

Parivahan Bhavan,  
 1, Sansad Marg  
 New Delhi-110001

NO. RW/NH-35075/1/2010/Part

Date : May 26, 2015

To

1. The Engineer-in-Chief and Chief Engineers of PWDs of States/UTs dealing with National Highways, other Centrally Sponsored Schemes.
2. The Chairman, NHAI, G-5&6, Sector-10, Dwarka, New Delhi – 110075
3. Director General (BR), Seema Sadak Bhawan, Ring Road, New Delhi – 110010
4. Managing Director, NHIDCL, 3<sup>rd</sup> Floor, PTI Building, 4, Parliament Street, New Delhi – 110001
5. Director, Indian Academy of Highway Engineers, A-5, Institutional Area Sector – 62, NOIDA, UP

**Subject: Application of LIDAR based Technology/ any other equivalent Technology in Feasibility/DPR preparation for NHs and other Centrally Sponsored Projects**

Sir,

Development of National Highways plays a significant role in the growth of this country's economy. However, cost over -runs and delays in project delivery have hampered the planned growth of the infrastructure sector of highways development in the country.

The need of the hour is to enable the use of cutting edge new/modern technologies and standards in the Highways Projects. Technologies and Standards in the field of land survey, Engineering design, quantity estimation and project monitoring which have proved their excellence in the developed countries, need to be adopted in this country also. Accordingly, with the approval of Competent Authority on File No.39011/23/2014-P&P, it has been decided to include advanced technologies – like LIDAR / any other equivalent technology to bring more accuracy and speed in preparation of feasibility / DPR works to

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ensure timely decision on alignments, designs and accurate delivery of Highway projects. All the implementing agencies of this Ministry engaged for development and maintenance of NHs & other Centrally Sponsored Schemes would incorporate the use/application of such technologies in the Terms of Reference (ToR) to be adopted for feasibility study/DPR preparation works in future and provide feedback on its application and performance to this Ministry from time to time for wider acceptability of such technologies.

Yours faithfully,

(Rk  
Jas  
26/05/15

(Rajender Kumar)

Executive Engineer (S, R&T) (Roads)

For Director General (Road Development) & SS

Tel. : 011-23314330, E-mail : [rajender.kumar68@nic.in](mailto:rajender.kumar68@nic.in)

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