



No. RW/NH-33044/32/2019-S&R (P&B)  
GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT & HIGHWAYS  
(S&R(P&B) Section)  
Transport Bhawan, 01, Parliament Street, New Delhi-110 001

Dated, the 13<sup>th</sup> November, 2019

To,

1. The Chief Secretaries of all the State Governments/ UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other centrally sponsored schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001
7. All CE-ROs, ROs and ELOs of the Ministry

**Subject: - Policy Guidelines on surveying with Network Survey Vehicle (NSV) for all the projects involving development of 2/4/6/8- lane, Expressway, Strengthening.**

Madam/Sir,

Ministry has been mandated to develop quality road infrastructure. To ensure this objective, various measures has already been taken through the provisions made in RFP & contract document of Contractor/ Concessionaire as well as RFP for engagement of Authority's Engineer/ Independent Engineer which interalia provides for carrying out detailed condition survey of road by the Authority's Engineer/Independent Engineer using Network Survey Vehicle (NSV).

2. The prevailing contract document of Authority's Engineer and Independent Engineer provides for conducting road survey with NSV. As per contract, NSV survey has to be conducted on completion of work and thereafter at the interval specified in the contract. It is also noted that provisions are varying from contract to contract.

3. The matter has been considered in the Ministry and it is felt necessary to record the condition of the highway prior to commencement of work in order to have a documentary evidence for status/ condition and quality of road. On completion of the project, this exercise may invariably be done and recorded before issuing completion certificate. The minimum parameter which has to be recorded during survey with NSV in each lane, not limited to the following:

(i) Inventory of Road;

GPS coordinates, Pavement Type, Pavement Width, Terrain, Land use, Shoulder type and width, Drain Type and Width, Median Type and Width, Wayside Amenities, Crash barrier, Signages etc.

(Note- All inventory items shall be recorded both side of road and Geo-tagged with images)

(ii) Condition of Road;

Roughness, Rutting, Distresses (cracking, Potholes, Bleeding, Surface failure etc.);

(Note- All inventory items shall be recorded for each lane and Geo-tagged)

*Praveen*  
13/11/19

