



सत्यमेव जयते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075 • G-5 & 6, Sector-10, Dwarka, New Delhi-110075

दूरभाष/Phone : 91-11-25074100 / 25074200



## भाराराप्रा/ नीति दिशानिर्देश / विविध दिशा-निर्देश/ 2026 नीति परिपत्र सं. 18.123 / 2026 दिनांक 06<sup>th</sup> जून, 2026

{(ई-ऑफिस फाइल सं. NHA/ NSV/ New RFP2022-Part (6))(कम्प्यूटर सं. 249553 पर लिया गया निर्णय)}

### NHA/ Policy Guidelines/ Miscellaneous Guidelines /2026

### Policy Circular No.18.123/2026 dated 06<sup>th</sup> June,2026

{(Decision taken on E-Office File No.NHA/ NSV/ New RFP2022-Part (6))(Comp No. 249553)}

**विषय:** सड़क परिवहन और राजमार्ग मंत्रालय के दिनांक 21.05.2026 के परिपत्र का अनुमोदन और कार्यान्वयन - 2, 4, 6, 8 - लेन, एक्सप्रेसवे, सुदृढीकरण पर विकास से संबंधित सभी परियोजनाओं के लिए नेटवर्क सर्वे व्हीकल (NSV) द्वारा सर्वेक्षण के संबंध में नीतिगत दिशा-निर्देश - के संबंध में।

**Sub:** Endorsement and Implementation of MoRT&H Circular dated 21.05.2026 - Policy Guidelines on surveying with Network Survey Vehicle (NSV) for all the Projects involving development on 2, 4, 6, 8 - Lane, Expressway, Strengthening - reg:

**संदर्भ:** MoRT&H पत्र संख्या RW/G-23012/01/2019-W&A(भाग-IV) दिनांक 21.05.2026।

**Ref:** MoRT&H letter no. RW/G-23012/01/2019-W&A(Part-IV) dated 21.05.2026.

सड़क परिवहन और राजमार्ग मंत्रालय (एमओआरटीएच) ने संदर्भित पत्र के माध्यम से 2, 4, 6, 8 - लेन, एक्सप्रेसवे, सुदृढीकरण पर विकास से संबंधित सभी परियोजनाओं के लिए नेटवर्क सर्वे व्हीकल (एनएसवी) के साथ सर्वेक्षण करने के संबंध में नीतिगत दिशानिर्देश जारी किए हैं।

Ministry of Road Transport & Highways (MoRT&H), vide letter under reference has issued the Policy Guidelines on surveying with Network Survey Vehicle (NSV) for all the Projects involving development on 2, 4, 6, 8 - Lane, Expressway, Strengthening.

2. एमओआरटीएच के नीतिगत ढांचे के अनुसार, एमओआरटीएच ने राज्य पीडब्ल्यूडी को सौंपे गए एनएच खंडों पर सुदृढीकरण, आईआरक्यूपी, पीआर, पीबीएमसी कार्यों सहित पूर्ण कार्यों के स्वतंत्र एनएसवी सर्वेक्षण करने के लिए एनएचएआई मुख्यालय में मौजूदा एनएसवी सेल के साथ सीधे समन्वय करने हेतु एमओआरटीएच ने डीजी (आरडी) एंड एसएस के तहत एक समर्पित एनएसवी सेल की स्थापना की है।

As per the MoRT&H Policy Framework, MoRT&H has established a dedicated NSV Cell under DG (RD) & SS to coordinate directly with the existing NSV Cell at NHA HQ for carrying out the Independent NSV surveys of completed works including strengthening, IRQP, PR, PBMC works on the NH Stretches entrusted to State PWDs.

Contd.....2/-

3. तदनुसार, सभी संबंधितों द्वारा सूचना, मार्गदर्शन और कड़े अनुपालन हेतु उपरोक्त MoRT&H पत्र की एक प्रति इसके साथ संलग्न है।

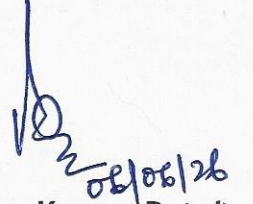
Accordingly, a copy of the aforesaid MoRT&H letter is enclosed herewith for information, guidance and strict compliance by all the concerned.

4. यह सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।

This issues with the approval of Competent Authority.

संलग्नक: यथोपरी।

Encl.: As stated above.



(सीएस. संजय कुमार पटेल/ CS. Sanjay Kumar Patel)

प्रभारी मुख्य महाप्रबंधक(समन्वय) (i/c) Chief General Manager (Coord.)

प्रति/ To:

भाराराप्रा मुख्यालय/आरओ/पीआईयू/सीएमयू/साइट कार्यालयों के सभी अधिकारी।

All Officers of NHAI HQ/ ROs/ PIUs/ CMUs/ Site Offices.

प्रतिलिपि/ Copy to:

1. पुस्तकालय की साइट पर प्रकाशन के लिए पुस्तकालय को।  
Library for hosting the Circular on Library site.
2. परिचालन के लिए वेब एडमिन को।  
Web Admin for Circulation.
3. सचिव, सड़क परिवहन और राजमार्ग मंत्रालय के प्रधान निजी सचिव को सूचनार्थ।  
PPS to Secretary, MoRT&H for Kind Information.

No. RW/G-23012/01/2019-W&A (Part-IV)  
Government of India  
Ministry of Road Transport & Highways  
(Planning Zone)  
Transport Bhawan, 1, Parliament Street, New Delhi-110001

---

Dated: 21<sup>st</sup> May, 2026

To

1. The Chief Secretaries of all the State Governments/ UTs.
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department/ Road Construction Department/ Highways Department (dealing with National Highways and Other Centrally Sponsored Schemes).
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs/ Road Construction Department/ Highways Departments (dealing with National Highways and Other Centrally Sponsored Schemes).
4. All CE-ROs, SE-ROs and ELOs of the Ministry.

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

**References:** (i) Ministry's Letter No. RW/NH-33044/32/2019-S&R (P&B) dated 13.11.2019  
(ii) Ministry's Letter No. RW/G-23012/01/2019-W&A (Part-IV) dated 04.02.2021  
(iii) Ministry's Letter No. RW/NH-33044/64/2021-S&R (P&B) dated 31.08.2021

Madam/Sir,

Ministry vide letter no. RW/NH-33044/32/2019-S&R (P&B) dated 13.11.2019 (copy enclosed) issued comprehensive guidelines for carrying out detailed condition survey of roads by the Authority Engineer/Independent Engineer using Network Survey Vehicles (NSV) for all NH projects. The survey intervals were specified as:

- (i) Before start of the work,
- (ii) Before issue of provisional completion or completion certificate,
- (iii) Every six months after completion of work

2. Further instructions were issued vide letters dated 04.02.2021 and 31.08.2021 for uploading NSV survey data on the Centralised RAMS portal and PMIS portal under one umbrella for analysis and decision-making.

3. NHAI, vide their policy circular no. 18.94/2024 dated 29.05.2024 (copy enclosed), has issued Standard Operating Procedure (SOP) for undertaking data collection through centralised NSV agencies of NHAI. The SOP details the roles and responsibilities of the Highway Operations Unit (HOU) at NHAI HQ, PIUs/ROs, and the centralised NSV agencies engaged by NHAI.

4. In view of the SOP issued by NHAI and the need to streamline the NSV data collection for NH stretches entrusted to State PWDs, the guidelines issued earlier by the Ministry have been reviewed and amended as follows:

4.1 A dedicated and centralised NSV cell has been established in the Ministry under DG (RD) & SS to co-ordinate with the NSV cell established at NHAI HQ for carrying out the Independent NSV surveys of completed works including strengthening, IRQP, PR, PBMC works where renewal layer has been laid.

4.2 The NSV cell at MORTH will extract the list of all such works mentioned in para 4.1 above from the Data Lake system. The state-wise list in google MS-Excel sheet will be shared with all

ROs for vetting once a month by 10<sup>th</sup> of that month. ROs may add, if some stretches are missing. ROs may prioritise the stretches and indicate the same to NSV Cell by 15<sup>th</sup> of that month. ROs will share the Contract document alongwith contact no. & name of AE/IE and Contractor's representatives with name and mobile no.

4.3 The above compiled list of stretches shall be shared with NSV cell at NHAI HQ on their email id [nsvcell@nhai.org](mailto:nsvcell@nhai.org) alongwith contact details of RO with a copy to all concerned ROs. NHAI centralised & independent NSV surveys shall be over and above the regular NSV surveys being done as per para 1 above.

4.4 NHAI NSV cell shall make the schedule for the NSV surveys on such stretches by 25<sup>th</sup> of that month and inform to NSV Cell at MoRTH who will inform all ROs. All ROs will provide any additional information as sought by NHAI NSV cell if required.

4.5 Upon receiving the schedule, the Regional Officers shall provide the logistic support to the NSV agencies appointed by NHAI for data collection and provide all necessary documents/data related to the project as per the request of the centralised NSV agencies of NHAI. Concerned RO shall also inform AE / IE (if deployed in the stretch) regarding the centralised NSV survey and direct concerned NH division officer, AE / IE officer and Contractor's representative to witness the survey. Initially this survey shall be completed within 4 months of the indent.

4.6 The processing and analysis of the raw data collected during surveys shall be undertaken by the NSV agency under the supervision of the NSV cell at NHAI HQ.

4.7 Centralised NSV survey result shall be compared with NSV report by concerned AE / IE. Appropriate action may be initiated by the Regional Officer against concerned AE / IE in case of sharp difference of results between Centralised NSV data and IE / AE data. For all intent and purposes, the centralised NSV survey result shall form the reference for the action against AE / IE.

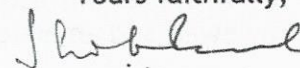
4.8 The NSV cell at NHAI HQ shall submit a detailed report within 10 days of receipt of data to the NSV cell in the Ministry along with online generated draft notices, if any. The concerned Regional Officers of the Ministry shall initiate action as per the outcome of the survey and online generated draft notices for corrective and maintenance activities on these NH stretches. MoRTH NSC Cell will monitor all these compliances and submit a quarterly report to the DG(RD) &SS / Secretary (RT&H). The result and compliances shall be monitored in the Senior Officers' meetings for which presentation shall be prepared by head of the NSV Cell.

4.9 All the stretches where centralised NSV survey has been completed, shall also be uploaded on the Pavement Management module of RAMS portal by NHAI centralised NSV Cell.

4.10 Same process will be adopted each six months to see the compliances

5. This issues with the approval of the Competent Authority and shall come into force with immediate effect.

Yours faithfully,



(Shoba Basil)

Under Secretary (P&M)



Copy to:

1. The Chairman, NHAI, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075 - with a request to issue necessary directions to the NSV cell at NHAI HQ for necessary action as per para 4 above. It is also requested to update the data Lake 3.0 for works being undertaken through State Govt & NHIDCL in line with NHAI works in respect of NSV data
2. The Managing Director, NHIDCL, World Trade Centre, New Delhi-110029:- NHIDCL is requested for creation of the centralised NSV Cell under Director (T-I) & respective EDs be entrusted with the same responsibilities as ROs. Simila process as per the instant circular may be adopted.
3. The Secretary General, Indian Roads Congress.
4. The Director, IAHE, Noida, UP.
5. All ADGs/CEs in the Ministry of Road Transport & Highways
6. All ROs of the Ministry of Road Transport & Highways
7. Technical circular file of S&R (P&B) Section
8. NIC-for uploading on Ministry's website under "What's new" & "Comprehensive Compendium Circulars with CODE 130.240.

Copy for kind information to:

1. PS to Hon'ble Minister (RT&H)
2. PS to Hon'ble MOS (RT&H)
3. Sr. PPS to Secretary (RT&H)
4. Sr. PPS to DG (RD) & SS
5. Sr. PPS/ PPS to AS&FA

## Roles and Responsibilities in NSV Surveys

Entity	Key Responsibilities
NSV Cell at Ministry (under DG RD & SS)	<ul style="list-style-type: none"><li>• Coordinate with NHAI NSV Cell</li><li>• Compile list of NH stretches for survey in consultation with ROs</li><li>• Share identified stretches and priority order with NHAI NSV Cell</li><li>• Direct all Ros for necessary action as per the outcome of the NSV Survey report</li></ul>
NSV Cell at NHAI (HQrs)	<ul style="list-style-type: none"><li>• Schedule data collection with centralised NSV agencies</li><li>• Supervise processing and analysis of raw data</li><li>• Submit detailed reports within two weeks of receipt of data to Ministry's NSV Cell</li></ul>
Regional Officers (ROs)	<ul style="list-style-type: none"><li>• Provide logistic support to NSV agencies</li><li>• Provide necessary project documents/data</li></ul>



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

*[Signature]*

4. Therefore, it is decided that for all the projects involving development of 2/4/6/8-lane, Expressway, stage strengthening necessarily be surveyed with NSV before start of work and thereafter at regular intervals as provided in the contract for each lane of pavement.

5. (a) In respect of contracts where provision for use of NSV does not exist, the condition of road shall also be assessed using NSV. For this purpose, the Project -in-Charge may invite quotations or follow the rates in the adjoining/ nearby contract packages in accordance with relevant item rate stipulated in the contract agreement. The financial implication arising out, if any, may be met out from the contingencies provisions of any of the sanctioned work in the State. The time interval for carrying out survey using NSV shall be as under:

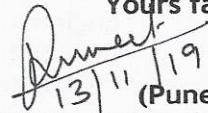
- (i) Before start of the work,
- (ii) Before issue of provisional/ final completion certificate,
- (iii) Every 6 months after completion of work.

(b) In respect of EPC projects costing upto Rs. 300 Cr where State PWD/NHAI/NHIDCL/BRO is acting as Authority's Engineer without engaging a Supervision Consultant in accordance with Ministry's guidelines issued vide letter No. RW-NH-34048/7/2013-S&R (B) dated 29.10.2018, the road survey with NSV shall also be conducted by the executing agency as per procedure & time interval specified above and completion certificate shall be issued only after obtaining satisfactory results complying to Ministry's / IRC Specifications and Manual.

6. Road inventory and condition survey details obtained from NSV shall be regularly uploaded on PMIS portal.

7. The contents of this Circular may please be brought to the notice of all the Concerned in your Organization for strict implementation.

Yours faithfully,

  
13/11/19

(Puneet Garg)  
Assistant Executive Engineer -QCC (S&R)  
For Director General (Road Development) & SS

**Copy to:**

1. All CEs in the Ministry of Road Transport & Highways
2. The Secretary General, Indian Roads Congress
3. Technical circular file of S&R (R) Section
4. NIC-for uploading on Ministry's website under "What's new"

**Copy for kind information to:**

1. Sr. PPS to Secretary (RT&H)
2. PPS to DG (RD) & SS
3. PPS to AS&FA
4. PS to all ADG's
5. PS to JS (T)/ JS (H)/ JS (LA&C)/ JS (EIC)

