



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)

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NHAI/ Policy Guidelines/ Road Safety/ 2024

Policy Circular No.12.34/2024 dated 03rd January, 2024

{Decision taken on E-Office File No. NHAI/Roadsafetyissues/misc/2023 (Comp. No. 229461)}

Sub: Enhancing Safety of Road Users in Foggy Weather - reg.

In the winter season due to foggy conditions, there is reduced visibility experienced on highways. This situation poses a significant risk to road users, particularly during the night time, leading to potential accidents and endangering the safety of road users. In order to improve the visibility and enhancing the safety of road users, all field units are directed to undertake following mitigation measures:

A. Engineering Measures:

- (i) Rectify the faded or inadequate pavement markings such as Edge line, lane line, chevron markings, Zebra markings etc.
- (ii) Enhance visibility of road safety devices viz. MBCB/ RCC barrier by providing reflective markers, median markers etc.
- (iii) Provide delineators and median markers as per IRC 79.
- (iv) Provide Transverse bar markings in Habitations area and accident prone locations as per IRC 35.
- (v) Highway lighting wherever installed shall be made operational and light shall be switch on early as per the foggy weather conditions.
- (vi) Blinkers shall be functional at Median openings, Under construction zones, Hazardous locations etc.
- (vii) Replacement of damaged/missing Hazard Object Hazard Markers signs at diverging & merging locations, Road Side Hazards, Culverts, Toll plaza etc.
- (viii) Provide missing/damaged road signs including Chevron signs on curves as per IRC 67-2022.
- (ix) To enhance the visibility, replace damaged/missing road studs along edge lines and center line on curves, entry/exit ramps, slip roads of intersections, zebra markings etc. confirming to table 9.1 of IRC SP 87/84-2019.
- (x) It is proposed to install solar studs on Major/ Minor Bridge, ROB and all structures (Interchange/ Flyover/ VUP), builtup areas, entry/exit ramps confirming to table 9.1 of IRC SP 87/84-2019. Further, 5 nos. solar studs on each side of median opening/slip roads of intersection etc. shall also be provided.

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B. Safety Awareness Measures:

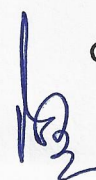
- (i) VMS signs wherever provided shall be fully functional and display Foggy Weather Conditions and Speed limit.
- (ii) Installation of reflective tapes on full width of vehicles, white on front and red on back .
- (iii) Public address system warning about driving at 30 km/hr in foggy areas. Intimation of foggy areas, location of WSA for parking, Use of blinkers by vehicles etc.
- (iv) Information seekers are the best source to provide details. Therefore, a safety awareness pamphlet with mobile no. be given to each driver crossing the toll plaza with a request to share foggy condition/accident location on the mobile number provided to caution drivers crossing toll plaza in that direction and provide emergency services in case of accident.
- (v) Utilize electronic billboards, radio, and social media for targeted public service announcements on Toll Plaza, WSA etc. during foggy conditions.

C. Highway Operation & Maintenance Team:

- (i) Night time Highway inspection on weekly basis by PD, IE/ AE and Concessionaire/ Contractor to assess visibility on highway and identify locations for additional provisions as required.
- (ii) Highway Patrol vehicle to station near dense foggy stretch, carry red/green blinking baton for guiding traffic in case of accident.
- (iii) Establish a seamless collaboration with local law enforcement, ambulance services, and municipal authorities.
- (iv) Conduct joint drills and exercises to ensure efficient coordination during fog-related emergencies.
- (v) All officials/supervisors/ workers to wear reflective jackets during their visit/undertaking any activity on highway.

2. NHAI has already delegated financial powers vide Policy Circular No. 12.33/2023 dated 6th June, 2023 for rectification of accident spots through short term measures, the same financial powers can be utilised for providing engineering measures beyond the scope of Concessionaire/ Contractor such as providing solar studs, traffic signs corresponding to IRC 67-2022, etc. to enhance visibility during foggy weather and overall safety of road users.

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3. All PDs are required to provide a certificate within a period of one month from issuance of this circular of completing the above measures. Further, PIU and/or RO shall fill the requisite details in Data Lake Module as detailed in Policy Circular No. 12.33/2023 dated 6th June, 2023 specifically created for monitoring black spots and accident spots.
4. This issues with the approval of Competent Authority.



03/01/24

(Sanjay Kumar Patel)
General Manager (Coord.)

To:

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

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