

EFile No. RW/NH-35083/02/2024-S&R (Computer No.-238879)

Government of India
Ministry of Road Transport & Highways
(S&R (P&B/New Technology) Zone)
Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated: 26th November, 2024**CIRCULAR**

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. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
4. The Managing Director, NHIDCL, World Trade Centre, New Delhi-110029.
5. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
6. 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).
7. The Secretary General, Indian Roads Congress
8. The Director, IAHE, Noida, UP
9. All CE-ROs, ROs and ELOs of the Ministry.

Subject: Use of Waste Plastic in Bituminous Concrete Wearing Course Mix in National Highways Construction & Maintenance Works-reg.

- Ref: i) Ministry letter No. RW/NH-33044/17/2021-S&R (P&B) (193228), Dated- 06.02.2023.
ii) Ministry letter No. RW/NH-24036/02/2019-BP&SP, Dated- 26.03.2021.
iii) Ministry letter No. RW/NH-33044/24/2015-S&R(R), Dated: 26.11.2019.
iv) Ministry letter No. RW/NH-33044124/2015-S&R(R), Dated: 09.11.2015.

Madam/Sir,

Ministry of Road Transport & Highways vide referred circulars issued guidelines on the use of waste plastic in the wearing coat of flexible pavement. It was made mandatory to follow the said guidelines for laying of wearing course of service road and slip road on National Highways apart from in periodical renewal coat of main carriageway within 50kms periphery of urban area having population more than 5 lakhs.

2. The matter has been reconsidered in the Ministry and in order to maximise use of waste plastic on National Highways, following has been decided:

2.1 During project preparation, DPR consultant shall identify the source(s) of waste plastic, assess the quantity available and also evaluate its properties as specified in

IRC:SP:98 "Guidelines for the Use of Waste Plastic in Hot Bituminous Mixes (Dry Process) in Wearing Courses" irrespective of whether project highway is located in urban /built-up areas or rural open country.

2.2 After due-diligence regarding availability of waste plastic conforming to the quality as specified in IRC: SP: 98, consultant shall include the provision of its use in the Schedule 'B' of the EPC/HAM bid documents.

3. Irrespective of the status of preparation of DPR, the actions mentioned in para 2.1 and 2.2 above shall be carried out by the DPR consultant and the Schedule B of the EPC/HAM bid documents shall be modified if bid for a particular project is yet to be invited. The DPR consultant may be paid variations depending upon stage of preparation of DPR.

4. Following shall be added as point no. 9 in para 4.12.4 of ToR of RFP for DPR consultancy services in all cases where bid is yet to be invited:

"9. During project preparation, DPR consultant shall identify the source(s) of waste plastic, assess the quantity available and also evaluate its properties as specified in IRC:SP:98 "Guidelines for the Use of Waste Plastic in Hot Bituminous Mixes (Dry Process) in Wearing Courses" irrespective of whether project highway is located in urban /built-up areas or rural open country.

9.1 After due-diligence regarding availability of waste plastic conforming to the quality as specified in IRC: SP: 98, consultant shall include the provision of its use in the Schedule 'B' of the EPC/HAM bid documents".

5. The contents of the circular may be brought into the notice of all concerned for needful compliance. This issues with the approval of Competent Authority.

Yours sincerely,

Bidur Kant Jha
26/11/2024
(Bidur Kant Jha)

Director (New Technology for Highway Development)

For Director General (Road Development) & Special Secretary

Copy to:

1. All CEs in the Ministry of Road Transport & Highways
2. All ROs of the Ministry of Road Transport & Highways
3. Technical circular file of S&R (P&B) Section
4. NIC-for uploading on Ministry's website under "What's new"

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ADG(SC)/ADG(BKS)/ADG(RS)/ADG(OPS)
6. Sr. PPS/ PPS to JS(Highways)/JS(EAP)/JS(Logistics)

Bikar Kant Jha.