



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 दिशानिर्देश/2026

नीति परिपत्र सं. 18.136/ 2026 दिनांक 14th अगस्त, 2026

{(ई-ऑफिस फाइल सं. SRD-TI-11019/12/2026-SRD-TII (कम्प्यूटर सं. 320773 पर लिया गया निर्णय))}

NHAI/ Policy Guidelines/ Miscellaneous guidelines/2026

Policy Circular No. 18.136/ 2026 dated 14th August, 2026

{(Decision taken on E-Office File No. SRD-TI-11019/12/2026-SRD-TI (Comp No. 320773))}

विषय: राष्ट्रीय राजमार्ग निर्माण एवं अनुरक्षण कार्यों में बिटुमिनस कंक्रीट वियरिंग कोर्स मिक्स/सर्विस रोड में अपशिष्ट प्लास्टिक के उपयोग के संबंध में।

Sub: Use of Waste Plastic in Bituminous Concrete Wearing Course Mix/Service Road in National Highways Construction & Maintenance Works -reg:-

- संदर्भ:** (i) मंत्रालय का पत्र संख्या आरडबल्यू/एनएच-33044/17/2021/एसएंडआर (पीएंडबी) (193228) दिनांक 06.02.2023
(ii) मंत्रालय का पत्र संख्या आरडबल्यू/एनएच-24036/02/2019- बीपीएंडएसपी दिनांक 26.03.2021
(iii) मंत्रालय का पत्र संख्या आरडबल्यू/एनएच-35083/02/2024- एसएंडआर (कंप्यू. सं. 238879) दिनांक 26.11.2024

- Ref:** (i) Ministry's letter no. RW/NH-33044/17/2021/S&R (P&B) (193228) dated 06.02.2023
(ii) Ministry's letter no. RW/NH-24036/02/2019- BP&SP dated 26.03.2021.
(iii) Ministry's letter no. RW/NH-35083/02/2024-S&R (Comp No. 238879) dated 26.11.2024

सड़क परिवहन और राजमार्ग मंत्रालय ने संदर्भित परिपत्रों के माध्यम से फ्लेक्सिबल पेवमेंट के वियरिंग कोट में अपशिष्ट प्लास्टिक के उपयोग पर दिशानिर्देश जारी किए हैं और उक्त परिपत्रों की प्रतियां सूचना और आवश्यक कार्रवाई के लिए संलग्न हैं।

Ministry of Road Transport & Highways vide referred Circulars issued Guidelines on the use of Waste Plastic in the wearing coat of Flexible Pavement and the copies of said circulars are enclosed herewith for information and necessary action.

2. अनुरोध है कि परिपत्र की विषयवस्तु को तत्काल आवश्यक अनुपालन हेतु सभी संबंधितों के संज्ञान में लाया जाए।

It is requested that the contents of the Circular may be brought to the notice of all concerned for immediate needful compliance.

Contd....2/-

3. यह सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।
This issues with the approval of Competent Authority.

संलग्नक: यथोपरी।

Encl.: As stated above.


14/08/26

(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.

Government of India
Ministry of Road Transport & Highways
(S&R Zone)
No.1, Parliament Street, Transport Bhavan, New Delhi-110001

File No: RW/NH-33044/17/2021-S&R(P&B)(193228)

Dated: 06th February, 2023

To,

1. The Chief Secretaries of all State Governments/UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs PWD dealing with National Highways, other centrally sponsored schemes and state schemes
3. The Chairman, National Highways Authority of India (NHAI), G-5&6, Sector-10, Dwarka, New Dethi-110075.
4. The Managing Director, National Highway Infrastructure Development Corporation Ltd., 3 floor, PTI Building, Parliament Street, New Dethi-110001.
5. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110010.
6. Secretary General, IRC, IRC Bhawan, Kama Koti Marg, Sector-6, R.K.Puram, New Delhi-110022
7. Director, IAHE, Industrial Area, A-5, Sector-62, Noida-201309
8. NIC for uploading on Ministry's websites.

Subject: Use of plastic waste in bituminous mix in the construction of Service Roads and slip road along National-Highways.

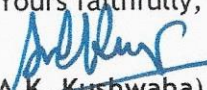
- Ref. : 1. Ministry letter No. RW/NH-24036/02/2019-BP&SP, Dated- 26.03.2021.
2. Ministry letter No. RW/NH-33044/24/2015-S&R(R), Dated: 26.11.2019.
3. Ministry letter No. RW/NH-33044/24/2015-S&R(R), Dated: 09.11.2015.

Madam/Sir,

Ministry of Road Transport & Highways vide referred circulars issued the guidelines to encourage the use of plastic waste in the hot mix bituminous wearing coat/periodic renewal. It was made mandatory to follow the said guidelines for laying of wearing coat on Service Roads along National Highways within 50 kms periphery of urban area having population more than 5 lakhs.

2. In continuation of this, it has now been decided that use of plastic waste is mandatory in the wearing coat of Service Roads and Slip Roads throughout National Highways apart from in periodical renewal coat of main carriageway on National Highways within 50 kms periphery of urban area having population more than 5 lakhs.
3. The contents of this circular shall be made applicable for all such NH and centrally sponsored road works for which bids are yet to be received.
4. This issues with the approval of Competent Authority.

Yours faithfully,


(A.K. Kushwaha)
SE, S&R (Roads)
For DG (RD) & SS

Copy to:

1. All ROs/ ELOs of MoRTH and all Technical Officers at MoRTH Headquarter.
2. Sr. PPS to Secretary (RTH), PSO to DG (RD) &SS, PS to AS&FA, PS to all ADGs.



Government of India
Ministry of Road Transport & Highways
(BP&SP Cell)
Parivahan Bhawan, 1, Parliament Street, New Delhi - 110 001

No. RW/NH-24036/02/2019-BP&SP

Dated: 26th March, 2021

To

1. The Chief Secretaries of all State Governments/Union Territories
2. The Principal Secretaries / Secretaries of all States/U.Ts. Public Works Department dealing with National Highways, other Centrally Sponsored Schemes and State Schemes.
3. The Engineers-in-Chief and Chief Engineers of Public Works Departments of States/U.Ts dealing with National Highways other Centrally Sponsored Schemes and State Schemes.
4. The Chairman, National Highways Authority of India, G-5&6, Sector-10, Dwarka, New Delhi- 110 075
5. Managing Director, NHIDCL, NHIDCL, PTI Building, Parliament Street, New Delhi- 110001.
6. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 001.

Sub: Use of plastic waste in bituminous mix in the construction of Service Roads along National Highways - reg.

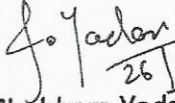
Ministry of Road Transport & Highways vide circular no. RW-NH-33044/24/2015-S&R (R) dt. 09.11.2015 (copy enclosed) had issued the guidelines to encourage the use of plastic waste in the hot mix bituminous wearing coat as under:

- (a) Bituminous mix with waste plastic shall be the default mode for periodic renewal with hot mixes within 50 Kms periphery of urban area having population more than 5 lakhs. Any relaxation on ground of non-availability of waste plastic, cost etc. shall involve approval of the Ministry.
 - (b) All the agencies responsible for preparation of project reports / estimates for the National Highways and Centrally sponsored works are expected to analyse and clearly bring out reasons of inclusion or otherwise of provision of use of waste plastic in wearing coats in the proposal.
2. It is further instructed that the above mentioned guidelines shall be mandatorily followed for laying of wearing coat on Service Roads along National Highways within 50 kms periphery of urban area having population more than 5 lakhs also.



3. This issues with the approval of Competent Authority.

Yours faithfully,


26/3/21

(Shubham Yadav)

Assistant Executive Engineer (BP&SP)

Encl.: As above.

Copy to:

1. PS to Hon'ble Minister (RT&H) -for kind information
2. Sr. PPS to Secretary (RT&H) - for kind information
3. PS to DG(RD)& SS
4. PPS to AS&FA - for kind information
5. PPS to JS(H)
6. All Technical Officers in the Ministry of Road Transport & Highways
7. All ROs and ELOs of the Ministry of Road Transport & Highways
8. The Secretary General, Indian Roads Congress
9. The Director, IAHE
10. NIC - for placing on the website under "What's New"
11. NIC - for uploading on e-office.



Government of India
Ministry of Road Transport & Highways

Parivahan Bhawan
1, Parliament Street,
New Delhi- 110001.

Dated the 09th November, 15

No. RW-NH- 33044/24/2015-S&R (R)

To

1. The Chief Secretaries of all State Governments/Union Territories
2. The Principal Secretaries /Secretaries of all States/U.Ts. Public Works Department dealing with National Highways, other Centrally Sponsored Schemes and State Schemes.
3. The Engineers-in-Chief and Chief Engineers of Public Works Departments of States/U.Ts dealing with National Highways, other Centrally Sponsored Schemes and State Schemes.
4. The Chairman, National Highways Authority of India, G-5&6, Sector-10, Dwarka, New Delhi-110 075
5. Managing Director, NHIDCL, Room No 101, Parivahan Bhawan, 1.Parliament Street, New Delhi. 110001
6. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.

Sub: Use of plastic waste in bituminous mixes in construction of National Highways

With the rapid urbanization, a large quantum of plastic waste is being generated. Safe disposal of the plastic waste is a serious environmental problem. Studies have revealed that use of waste plastic improves the desirable properties of bituminous mixes leading to improved longevity and pavement performance. The Indian Roads Congress (IRC) has already published IRC: SP: 98-2013 "Guidelines for the use of waste plastic in hot bituminous mixes (dry process) in wearing coats". However, this technology continues to receive lukewarm response by the Project Engineers, Designers as also the Consultants. Its adoption needs to be encouraged.

2. Therefore, the Ministry has decided to encourage use of plastic waste in the hot mix bituminous wearing coat. Accordingly it is decided that;

- a) Bituminous mix with waste plastic shall be the default mode for periodic renewal with hot mixes within 50 kms periphery of urban area having population more than 5

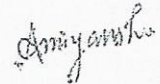


lakhs. Any relaxation on ground of non-availability of waste plastic, cost etc shall involve approval of the Ministry.

b) All the agencies responsible for preparation of project reports / estimates for the National Highways and Centrally sponsored works are expected to analyse and clearly bring out reasons of inclusion or otherwise of provision of use of waste plastic in wearing coats in the proposal.

3. The contents of this Circular may be brought to the notice of all concerned in your Organization. Feedback on these guidelines is solicited.
4. This issues with the approval of competent authority.

Yours faithfully,



Assistant Executive Engineer (S,R&T) (Roads)
For Director General (Road Development) & Spl Secy

Copy to:

1. PS to Hon'ble Minister (RTH&S) – for kind information
2. Sr. PPS to Secretary (RT&H) – for kind information
3. PS to DG (RD) & SS
4. PPS to SS&FA– for kind information
5. All Technical officers in the Ministry of Road Transport & Highways
6. All ROs and ELOs of the Ministry of Road Transport & Highways
7. The Secretary General, Indian Roads Congress
8. The Director, IAHE
9. Technical Circular File of S&R Section
10. NIC for placing on the website under "What's New"



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, 2024CIRCULAR

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-33044/24/2015-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

Bidur Kaul Jla. Page 1 / 3

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"

Copy for kind information to:

1. PS to Hon'ble Minister (RT&H)
2. PS to Hon'ble MOS (RT&H)



3. PSO to Secretary (RT&H)
4. PSO to DG (RD) & SS
5. Sr. PPS/ PPS to AS&FA/Addl. Secretary (Road Safety)/
ADG(SC)/ADG(BKS)/ADG(RS)/ADG(OPS)
6. Sr. PPS/ PPS to JS(Highways)/JS(EAP)/JS(Logistics)

Bikar Kaul J.S.

