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/ प्रौदयोगिकी समावेश प्रकोष/ 2026
नीति परिपत्र स. 13.31/2026 दिनाक 03rd अक्टूबर 2026
{(ई-ऑफिस फाइल सं. SRD-TI-11019/20/2026-SRD-TI (कम्प्युटर सं. 327928 पर लिया गया निर्णय)}

NHAI/Policy Guidelines/Technology Induction Cell/2026
Policy Circular No. 13.31 / 2026 dated 03rd October, 2026
{(Decision taken on E-Office File No. SRD-TI-11019/20/2026-SRD-TI (Comp No. 327928)}

विषय: राष्ट्रीय राजमार्ग प्री-कास्ट कंक्रीट नीति के संबंध में।

Sub: National Highways Pre-cast Concrete Policy. reg:-

सड़क परिवहन और राजमार्ग मंत्रालय (एमओआरटीएच) द्वारा पत्र संख्या आरडब्ल्यू/एनएच-34049/01/2020 एस एंड आर (बी) दिनांक 08.04.2022 के माध्यम से "राष्ट्रीय राजमार्ग प्री-कास्ट कंक्रीट नीति" पर एक परिपत्र जारी किया गया है, जिसकी प्रति सूचना एवं आवश्यक कार्रवाई हेतु **संलग्न** है।

Ministry of Road Transport & Highways (MoRTH) vide letter no. RW/NH-34049/01/2020-S&R(B) dated 08.04.2022 has issued a Circular on the "National Highways Pre-cast Concrete Policy" and the Copy of the same is **attached** herewith for information and needful action.

2. यह अनुरोध किया जाता है कि परिपत्र की विषय-वस्तु को तत्काल आवश्यक अनुपालन के लिए सभी संबंधितों के ध्यान 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.

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.

03/10/26

(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.

File No.RW/NH-34049/01/2020-S&R (B)
Government of India
Ministry of Road Transport & Highways
(S&R (P&B/New Technology) Zone)
Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated: 08th April, 2022

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, PTI Building, New Delhi-110001.
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. All CE-ROs, ROs and ELOs of the Ministry.

Subject: - National Highway Pre-cast Concrete Policy - Reg

Madam/Sir,

Industrialised Pre-cast Concrete (factory manufactured pre-cast concrete elements) has the benefits of all-weather and fast construction, reliable quality & enhanced performance durability, aesthetics due to uniformity in appearance and minimum user time delay/reduced carbon emission/reduced noise & air pollution due to reduced construction activities at site, etc. To add to that, it will also play an integral role in accelerating the growth of the MSME sector. To harness the benefits of pre-fabrication in construction of National Highways, Expressways & Other Centrally Sponsored Road Projects, following policy decisions have been taken:

2. Contract/Concession agreement document shall include the provision of mandatory use of factory manufactured pre-cast concrete elements in projects within 100 km radius of Pre-cast factory. The minimum mandatory usage should be 25% of total concrete volume other than the foundations & sub-structures of Bridges/Viaduct/RoB. Any relaxation may be granted by Authority only if the contractor/concessionaire is able to demonstrate that the manufacturer(s) is not able to provide such products matching to the works programme of the contractor or the prices demanded by the manufacturer is more than the prices derived for cast-in-situ condition at the rates of SoR prevailing on 28th days before the bid due date.

3. Standardization is the key to promote the use of pre-cast concrete elements to take advantage of volumes and repetitive use of molds. Therefore, It is beneficial to keep the spans/sizes of different structures as uniform as possible.

4. Design and Construction of pre-cast concrete elements will be done as per relevant IRC/BIS standards/guidelines/codes furthermore taking into consideration expected

Bidur Kant Jha.

handling/lifting stresses, etc. Any international guidelines such as AASHTO, FHWA (Accelerated Bridge Construction Guidelines), Japan & Euro codes, may be followed in case of any gaps in IRC/BIS standards/ guidelines/codes till such time IRC/BIS guidelines are developed.

5. To start with Quality Council of India (QCI) shall be entrusted to certify pre-cast concrete factory. As the number of factories go on increasing, MoRT&H may entrust certification to other agencies like NCCBM/RDSO/IITs etc. Certification shall not be required for pre-casting being done at Project site.

6. The pre-cast factory shall have minimum facility of fully automatic RMC plant for better quality, arrangement for steam curing, mechanical handling of concrete and pre-cast components, bar bending machines, stacking yard, in-house design team and NABL accredited quality control laboratory, RO plant for water purification etc.

7. It is requested that the contents of the letter may be brought into the notice of all concerned for needful compliance.

7. This issues with the approval of Competent Authority.

Yours sincerely,

Bidur Kant Jha
08.04.2022

(Bidur Kant Jha)
Director
(New Technology for Highway development)
For DG (RD) & SS

Copy to:

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

Copy for information and necessary action to:

1. Sr. PPS to Secretary (RT&H)
2. PPS to DG (RD) & SS
3. Sr. PPS/ PPS to Addl. Secretary (Road Safety)/ Addl. Secretary (RT&H & LA)
4. Sr. PPS/ PPS to AS&FA
5. Sr. PPS/ PPS to ADG (SKN) / ADG (RP)/ ADG(DS)
6. Sr. PPS/ PPS to JS (RT&MVL)/ JS (EIC) / JS (Logistics)/ JS (NHIDCL)