

File No.RW/NH-34049/01/2020-S&R (P&B)pt.

Government of India

Ministry of Road Transport & Highways  
(S&R (P&B/New Technology) Zone)

Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated: 22<sup>nd</sup> February, 2023

**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: - Value Engineering Practices for the Design, Construction & Maintenance of National Highways Projects - Reg.**

Reference: Ministry's Letter No. RW/NH-34049/01/2020-S&R (P&B) pt.dated 30.08.2022

Madam/Sir,

In continuation to the above referred circular of Ministry, following have been decided:

- i. The Executing Agencies of MoRT&H shall do the Value Engineering during Feasibility/DPR of the project itself as detailed in para 5.1 & 5.2 of the Ministry's circular even no. dated 30.08.2022.
- ii. For the upcoming Projects, Value Engineering may be kept open after award of the work in respect of the items which are not pre-decided as certain components are fixed based on multiple considerations of reliability, durability, amenability for consistency checks, etc.
- iii. In the ongoing Projects, it is preferred that EPC Contractor/Concessionaire shall follow the provisions as mandated in Schedule-B and schedule-C of the EPC Agreement/Concession Agreement. However, EPC Contractor/Concessionaire are free to adopt any alternative proposal as per applicable design standards as specified in Schedule-D which is costlier (initial construction cost) than that of the base proposal as per Schedule-B & Schedule-C for better performance/durability without any claim for extra cost from the Authority.

*Bidur Kant Jha*

- iv. Any material/technology/design shall be called "New" until there is no available MoRT&H Specification/IRC guidelines. Once it is available, it will be called as conventional/proven.
  - v. For any proprietary products (patented/monopolistic etc.) such as RE Wall, Retaining Wall, Expansion Joints, Bridge Bearing, Pre-stressing Systems, Commercial Stabilizer, Geosynthetics Products etc.; EPC Contractor/Concessionaire shall ensure signing of tripartite agreement between the Authority, EPC Contractor/Concessionaire and Technology Provider before use of such material/technology/design in NH Projects. The tripartite agreement shall have the provision of involvement of the Technology Provider right from design to execution. Technology Provider shall deploy the requisite design experts/material technologist/skilled & trained construction supervision personnel to certify material testing & material characterization for design, proof check of the design, approve construction methodology including field trial sections before actual construction, quality control and supervision & certification of the day-to-day construction/execution.
2. It is requested that the contents of the circular may be brought into the notice of all concerned for immediate needful compliance.
  3. This issues with the approval of Competent Authority.

Yours sincerely,

*Bidur Kant Jha*  
22-02-2023.

(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. 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"

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