

**RW/NH-33044/04/2022-S&R (P&B)**  
**Government of India**  
**Ministry of Road Transport & Highways**  
**Transport Bhawan, 1, Parliament Street, New Delhi - 110001**  
**(S&R Zone)**

Dated: 15.02.2022

To,

1. The Chief Secretaries of all the State Governments/UTs.
2. The Chairman, NHAI, 1, G-5 & 6, Sector-10, Dwarka, New Delhi - 110045.
3. The Managing Director, NHIDCL, PTI Building, 3rd Floor, Parliament Street, New Delhi-110001.
4. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department dealing with National Highways, other Centrally Sponsored Schemes & State Schemes.
5. All Engineers- in -Chief and Engineers of all States/ UTs Public Works Department dealing with National Highways, other Centrally Sponsored Schemes & State Schemes.
6. Director General Border Roads, Seema Sadak Bhawan, Ring Road, Naraina, New Delhi.
7. All CE-ROs, ROs and ELO of the Ministry.

**Sub:- 'Use of dynamite on hills/ mountains for the construction of roads'-regarding.**

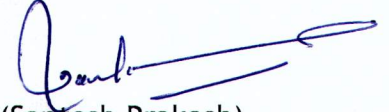
Various references have been received from Ministry of Home Affairs forwarding therewith recommendations of Department-Related Parliamentary Standing Committee (DRPSC) on Home Affairs regarding immediate ban on the use of dynamite for development projects in the Himalayan region and make judicious use of technology particularly in high altitude Himalayan region to minimize the damage to ecology and environment.

2. The issue has been examined in the Ministry and it is observed that the development in hilly/ mountains region inter-alia including Himalayan region requires construction of roads as critical infrastructure. Considering concerns raised regarding use of dynamite, it is suggested as far as possible the use of rock breakers and excavators may be used in these areas for construction of roads. However, use of explosives may be resorted only in the inescapable circumstances.

3. To avoid any damages to the mountains, controlled blasting, using specific quantity of explosives and delay detonators which is a viable technology may be explored and adopted. The commonly used material is gel explosive which is efficient and being manufactured in our country. It is suggested that a careful use of explosives

may be employed to achieve controlled blasting and avoid undue damage to hills. Also, techniques like hydro-seeding, etc. may be used to achieve sustainable vegetation cover along with slope stabilization measures.

4. This issues with the approval of competent authority.



(Santosh Prakash)  
Executive Engineer (S&R)

Copy to:

1. All CEs in the Ministry of Road Transport & Highways
2. The Secretary General, Indian Road Congress
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. Sr. PPS to Secretary (RT&H)
2. PS to ADG-Nodal Officer (Road Wing)
3. Sr. PPS to AS (RT&H)
3. PS to all ADGs/ CEs/ JS (T)/JS (H)/JS (LA&C)/JS EIC)