

**Government of India**  
**Ministry of Surface Transport ( Roads Wing ).**

Telegrams :  
"Roadind"  
No. RW-14021/2/86-RMP.

Trnasport Bhavan,  
1, Sansad Marg, New Delhi.  
Dt. 10.4.1991.

To,

The Chief Engrs. (N.H.s) of all State and Union Territories  
The Director General (Works ) CPWD, Nirman Bhavan Delhi.  
The Director General Border Rds., Kashmir House, N. Delhi.

Sub : Use of vibrator road roller for Highways Constn.

Ref : Ministry's Letter No. RW-RMP-18(3)/84 D/ 20.4.1985.

Sir,

Please refer to Ministry's letter mentioned above (copy enclosed for ready reference ).

2. Although the use of vibratory rollers is not strictly mandatory as per Ministry's specifications, the obvious advantages from their use such as achievement of higher compaction with less number of passes, greater lift thickness etc. should made vibratory rollers the first choice for highways construction work. Even so it is seen that application of vibratory rollers has not made sufficient headway upto now, which indicates that benefits of these rollers are not being appreciated fully.

3. On externally aided projects, the Ministry is already insisting on use of vibratory rollers for compaction apart from some of the other bigger projects where heavy quantity of earthwork is involved. It is felt as such that for the sake of better quality and efficiency the P.W.Ds. should gradually insist upon the use of vibratory rollers both N.H. and State roads atleast for the following items of roads works :-

- i) Construction of embankment involving more than 30,000 cubic metre of earthwork in a single location or in a continuous stretch.
- ii) For road embankment involving more than three metres height and
- iii) On all externally aided project works.

Of course for all the works / mentioned above, the suitability of the soil . materials for vibratory compaction must be taken into account.

4. It is recommended strongly that keeping the long term requirements of the organisation in view of PWDs. Should plan a schedule for gradual replacement of the existing compaction equipment by vibratory compaction equipment. New purchases of compaction equipment may be planned keeping this in view.

5. Likewise it is suggested that the local contractors in the State should be advised to gradually phase over to vibratory rollers having regard to multiple benefits from their use.

6. Receipt of the letter may please be acknowledged with indication about the action proposed to be taken.

