
1710.10.

No. RW/EI/PB/10/W

Dated the 22nd October, 1983

To

To all the Technical Officers in the Bridges Directorate at Headquarters

CIRCULAR

As desired by Additional Director General (Bridges) an additional para as given below, regarding the casting of pre-stressed concrete girders, should be added, while according approval to the design of pre-stressed concrete girders for bridge works on National Highways and other Centrally financed works :

"For ensuring good compaction of concrete in prestressed concrete beams either precast or cast in situ, it is absolutely essential to use shutter vibrators. The use of needle vibrators, however, may also be permitted with extra precaution and after ensuring that the vibrator does not touch or damage the sheathing. Design of shuttering should be adequately safe for the use of shutter vibrators in addition to other aspects with stiffeners at appropriate intervals. The location of shutter vibrators shall be fixed carefully for obtaining dense compacted concrete.

The first precast girder, shall be inspected by a senior officer of the State P.W.D. thoroughly after casting for any defect due to shuttering etc. Necessary modifications, if any, have to be carried out before casting of the remaining girders."