

No. RW/NHVI-50(3)/83-Vol. II

Dated the 31st December, 1986

To

1. The Chief Engineers of States and Union Territories Public Works Departments dealing with National Highways and other Centrally Financed Roads.
2. The Director General (Works), Central PWD.
3. The Director General Border Roads.
4. The Chief Engineer, Pamban Bridge Project.

Subject : Water cement ratio to be adopted in concrete mix for prestressed concrete works.

The quantum of water cement ratio to be adopted in the manufacture of concrete in prestressed concrete works for the bridges on National Highways and other Centrally Sponsored Roads has been engaging the attention of this Ministry for quite some time. It has been decided that the same may be adopted as follows :—

Condition of Exposure		Maximum water cement ratio
Severe :	For example, exposed to saline atmosphere or freezing whilst wet or corrosive fumes.	0.40
Other than severe :		0.45

2. It is requested that the contents of this letter may please be brought to the notice of all Engineers of the State PWD incharge of execution of bridge works on National Highways and other centrally sponsored schemes in the State PWDs. These may also be included to form part of NIT for bridge works with a view to ensure their strict adherence by the executing agencies.