

No. NHVI-67 (5)/74

Dated the 24th April, 1979

To

The Chief Engineers/Principal Engineers All State PWDs/Union Territories (dealing with National Highways)

Subj: Bridge works financed in full or in part from Central funds-Deviations from Standard Bridge Drawings

This Ministry has, from time to time, been issuing the standard drawings for Highway Bridges for adoption on the National Highways and other roads financed partly or wholly from Central funds.

2.1. It has come to the notice of this Ministry that some of the State PWDs are adopting the standard drawings after making certain changes therein of their own without obtaining prior approval of this Ministry for such deviations. For instance standard bridge drawings for RCC superstructure using mild steel as reinforcement provide for use of metallic bearings, but instead of using metallic bearings, use of elastomeric bearings is resorted to without obtaining the approval of the design of elastomeric bearings from this Ministry.

2.2. In case where elastomeric bearings are proposed to be adopted instead of metallic bearings provided in the standard drawings, it is necessary to work out the relative economy between metallic bearings and elastomeric bearings.

3. Further it may be mentioned that if elastomeric bearings are adopted, the end cross girders will also have to be checked for safety under the conditions of lifting for facilitating the replacement of the bearings, if required at a later date. Thus the design of end cross girders should also be got approved by this Ministry in such cases.

4. It is requested that necessary instructions in this regard may please be issued to all concerned and prior approval of this Ministry be invariably obtained to any modifications in the standard drawings.