

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

*Dated the 23rd. February, 1984*

To

All Chief Engineers of States/Union Territories dealing with National Highways and other Centrally sponsored roads

Sub: Plugging of well foundations of bridges on National Highways and other Centrally sponsored roads

The question of obtaining prior approval of this Ministry for the plugging of well foundations of bridges on National Highways and other Centrally-sponsored roads in each case, as laid down in the circular of even number dated 20.4.83, has been reviewed in the light of difficulties likely to be experienced, as reported in their further correspondence, by the various State Chief Engineers in-charge of such works, and discussions held in the Chief Engineers' meeting held at Pondicherry on the 20th August, 1983.

2. After careful consideration of the matter, it has been decided to withdraw the above-referred circular letter requiring compliance in each and every case of plugging of wells.

**3. However, still a few instances may arise actually making design assumptions invalid despite taking confirmatory borings at the exact locations of wells before starting work. As per practice in the past, it is requested that only such problematic cases of well foundations for which the designs were approved by this Ministry and where considerable divergence in design assumptions regarding the soil/rock properties at or below the founding level and/or above up to the maximum anticipated scour level are noticed during actual execution and/or deviations from any other design parameters or extra financial liability are involved, may be referred to this Ministry for prior approval along with the following data:—**

- i) History of sinking of the well;
- ii) Nature of strata met with from bed level to foundation level;
- iii) Final figures of tilt and shift;
- iv) Foundation pressure as per design at the proposed foundation level;
- v) Permissible safe bearing capacity at the proposed foundation level based on soil strata actually met with;
- vi) Report of a diver (of the Government and not of the contractor) regarding the condition of steining and rock at the foundation level; and
- vii) Financial implications, if any.

**4. Notwithstanding the above instructions, it may be emphasized that work shall be carried out according to all records as indicated in this Ministry's specifications, CI. 1200 IRC Bridge Code (78-1983) Section VII, (First Revision) for Foundations and substructure and other extant circulars for well foundations shall be maintained duly for all bridges.**

<sup>1</sup> It has been decided to withdraw the circular dated 20.04.83 requiring compliance in each and every case of plugging of wells. Record as indicate in this Ministry's specifications, cl 1200 IRC Bridge Code(78-1983) Section VII for Foundations and substructure and other extant circulars for well foundation shall be maintained duly for all bridges