

No. N.-8/GR/128-W-NHV.

Dated the 8th Oct, 1975

To

**The Chief Engineers of all State P.W.Ds,
and Union Territories dealing with Roads**

Subject : Construction of guide bunds for training of river-Provision of extra height as compensation for anticipated settlement of embankment of the guide bunds

The formation level of guide bund embankment is liable to settle in the course of time after construction on account of settlement of the foundation strata due to the weight of embankment and the compaction of the embankment itself due to its self weight. This would result in the reduction of available free board above the highest pond level, to values lower than the minimum specified limits.

2. In order to ensure that the formation level of the guide bund has the minimum specified clearance above the anticipated highest pond level it would be necessary to either construct the guide bund with

pre-calculated extra height of embankment initially itself or to add extra height to it as and when settlement is noticed to compensate for the settlement. It has accordingly, been decided that all guide bunds to be constructed in future, shall be designed and constructed initially itself with extra height to account for the estimated future settlement likely to take place during a period of two to three years after its construction. This may be calculated on the basis of soil properties of embankment material and the foundation strata ascertained by carrying out sub-soil investigations and conducting tests on the soil samples.

3. It is requested that the contents of this letter may be circulated among all officers in your department concerned with national highway works and other bridge works financed partly or wholly by the Central Government for their guidance and compliance.