

No. RW/NHVI-50(21)/79

Dated, the 11th June, 1980

To

All Chief Engineers, dealing with National Highways and other Centrally-Financed Works in States/Union Territories

Subject: Investigations and design for high embankments on approaches to bridges and over-bridges on National Highways and other Centrally Financed Works.

Kindly refer to the Ministry's letter No. NHVI-50(21)/79, dated the 25th January, 1980, addressed to you, in which the importance of carrying out soil investigations and embankment design for high approaches to bridges and over-bridges was stressed and a detailed Note (Parts I and II) was also enclosed therewith, highlighting the important aspects of the steps and procedure for investigation and design of high embankments.

2. In para 4 of the letter cited above, you were also requested to get prepared a list of bridges and over-bridges likely to be taken up for execution during the current Five Year Plan period and initiate appropriate actions for taking up soil investigations, design, etc. in good time.
3. In para 2 of the part I of the Note mentioned above, the procedure for drawing up State-wise lists of high embankment stretches requiring soil investigation and embankment design as per prescribed Proforma I and II were indicated. Proforma I relates to sanctioned works where no investigation has yet been taken up and Proforma II relates to the proposed works included in the inescapable list and the Five Year Plan but not sanctioned. The high embankment stretches are also required to be listed in the prescribed proforma in order of their priority taking due account of their status as regards sanction, execution, targets, dates of commencement, coordination with the programme of sanction and execution of the bridge structures, etc.
4. In this connection, your attention is also invited to minutes of discussions on item No. 15 of the agenda of the Chief Engineers' meeting held at Jaipur on 7th February, 1980 (minutes forwarded vide Ministry's letter No PL-2(2)/80, dated the 28th April, 1980). As mentioned therein, Shri N. Sivaguru, Chief Engineer of this Ministry, had pointed out that the State Chief Engineers were already having the sixth Plan document, which listed out the various projects in order of priority and it should be possible from this document to identify the locations of high embankments and other difficult situations requiring detailed sub-surface investigations. It was also suggested that such projects should be taken up for investigation in a phased manner at least three years ahead of the year in which they are intended to be financially sanctioned.
5. It is requested that expeditious action may please be taken regarding the listing of high embankment stretches calling for soil investigations and high embankment design as per proforma I and II mentioned in para 3 above and also for initiating the necessary steps for investigation and design under intimation to this Ministry. Copies of Proforma I and II in which information is to be completed are enclosed for your ready reference.

PROFORMA-I

LIST OF EMBANKMENT DESIGN CASES IN RESPECT OF SANCTIONED WORKS FOR WHICH EMBANKMENT DESIGN IS NOT AVAILABLE.

State : _____

Sl. No.	Name of work	N.H.No./ Name of Road	Job No. Date of sanctioning sanctioned amount	Date of commencement of execution	Target date of completion of execution	Present position of execution
1.	2.	3.	4.	5.	6.	7.