

No. RW/RD/MISC/5/81/-OR

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CIRCULAR

A computer-based Simulation Model has been developed as a result of a collaborative research project, jointly sponsored by the Ministry and the Swedish International Development Association. The Model has been developed and implemented at the Indian Institute of Technology, Kanpur. Prof. S. Palaniswamy and Prof. B.R. Marwah are the research coordinators.

The Model is able to predict the speed-flow characteristics of traffic on Indian roads and is thus a valuable tool in determining the need for road improvements, such as widening, provision of shoulders and geometric improvements.

In order to popularise the application of the Model in the day-to-day work of National Highway improvements, it has been decided to take up one case from each Project Zone in the year 1985-86 and carry out the analysis. The following criteria apply to the selection of such projects :

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- (i) The project should be included in the Annual Programme 1985-86.
- (ii) The project should involve widening single lane to intermediate lane or two lanes, or widening two-lanes to four lanes.

The Project Chief Engineers are requested to identify the projects and get in touch with Shri M.K. Bhalla, SE (R) T&T for guidance in further work. The concerned Project Officers will have to collect the data needed for the Model input and run the Model at I.I.T. Kanpur to obtain the results.

To all Technical Officers (Roads) at H.O.