

**Black Topping of Roads -
Crust thickness and Drainage -**

**Government of Maharashtra.
Public Works Department,
Circular No. BDM-1082/CR-2457/Planning-3,
Mantralaya, Bombay - 400 032. D/- 28-12-1988.**

After scrutiny of several plans and estimates for works of black topping of existing W.B.M. Roads, it is noticed that the total thickness of crust below the proposed B.T. surface is not sometimes adequate. In some cases, the crust thickness provided is the one normally prescribed for the category of road in the type cross sections (e.g. for O.D.R. 22.5 cm.) . it is also noticed that very little attention is paid to the important aspect of drainage of the road stretch proposed to be black topped. This is not correct.

The crust thickness to be provided before any road is black topped should be minimum 30cm. or the one required as per the design based on C.B.R. of the sub grade, the traffic intensity on the road and as per I.R.C. 37, whichever is more. In future, all estimates for B.T. of W.B.M. roads must contain calculations for the design of crust accordingly. The estimates deficient in the respect shall not be entertained.

Since good drainage of the sub-grade and the road side is a basic requirement of a good road surface, every estimate for B.T. of road shall also contain provision for any measures that may be required for sub-grade and road side drainage of the roads stretch under consideration, if such drainage measures cannot be got executed through any other scheme. In any case Executive Engineer shall ensure that no new B.T.work is carried out unless such good surface drainage and sub-surface drainage is ensured.

Sd/-
Deputy Secretary to Government.

