

D.O. NO. RW/PL-30 (95)/77

Dated the 15th April, 1985

To

The Chief Engineers of State P.W.Ds. dealing with roads (by name)

Sub : Use of Anti-stripping chemicals for bituminous Road Works—'ANSTRIP', 'HIQUAT TR 100', etc.

This Ministry has received some literature and laboratory test results with respect to certain antistripping compounds manufactured in this country.

As you are aware that one of the main defects associated with the distress of pavements is stripping. This defect is characterised by separation of bitumen adhering to surface of the aggregate particles in presence of moisture. This may lead to loss of bond and subsequently to loss of strength and materials from the surface. If this defect is not rectified, disintegration of the pavement into small loose fragments will result. The main causes of stripping are: the use of hydrophillic aggregates, continuous contact of water with coated aggregates, presence of dust and/or moisture on aggregates, and occurrence of rain or dust-storm immediately after the construction. In view of these, the IRC has recommended the use of suitable anti-stripping agents with bitumen at the time of construction as a precautionary measure. Some of the above mentioned adverse conditions may be prevalent in your State also.

At present the two anti-stripping compounds manufactured in India which have come to the notice of this Ministry are :

- i) 'ANSTRIP' manufactured by M/s Suvirs (Sales) Limited, 14—Madhya Marg, Sector 7-C, Chandigarh.
- ii) 'HIQUAT TR 100' manufactured by Hico Products Limited, PB 16483, 771 Pt. Satavalekar Marg, Mahim, Bombay-16.

In these times of shortage and high cost of bitumen, it is felt very necessary that such chemical agents could be made use of for effective economic consumption of binder, consistent with strength and stability after detailed field trials.

We will be grateful if you select some reaches both on National Highways and State Highways and carry out field trials for evaluating and assessing the efficiency of these compounds for use in bituminous road works so that this Ministry would be able to consider evolving a code of practice for the purpose.