

NO. RW-24011/1/89-RMP

Dated the 25th September, 1989

To

The Chief Engineers dealing with National Highways in the State of Assam, Manipur, Meghalaya, Orissa, Goa, J&K, Bihar, H.P. & M.P.

Subject: Methodology of doing periodical renewal works using pre-mix material and SDC works.

Recently a survey was conducted by this Ministry through Regional Officers located in different States regarding the system being followed in various States for doing periodical renewal works and also the methodology adopted for the same. It is seen from the reports received that still the periodical renewal works are being carried out in your States by heating aggregates in steel pans and bitumen in open drums which are then mixed manually before laying. Moreover, the tack coat before spreading the premixed material is being applied mostly with perforated cans.

2. You are aware that specific instructions have been issued by this Ministry regarding the methodology to be adopted for PR works in which the pre-mix material is to be obtained using Mini Hot Mix Plants having separate system for heating aggregate and mixing binder and aggregate in pug mill. Only mixed material so obtained by ensuring proper temperature control and uniform coating of the aggregates is to be used for such works. In no case bitumen is to be heated in open drums which causes loss of costly bitumen and cannot ensure the required temperature. The tack coat is required to be applied using mechanical sprayers attached to bitumen boilers.

3. It has also been reported that in some cases Mix-All Plants similar to concrete mixtures are being used for carrying out PR works. The use of such plants is not permissible for doing PR works on National Highways as specified in the Revised Specification for National Highway Roads and Bridge works.

4. You are, therefore, requested to issue suitable instructions to all concerned to adopt correct methodology for doing PR works. Use of proper equipment may also be clearly specified in all future tender documents for National Highway periodical renewal works. In no case manual methods are to be adopted.

5. It may please be noted that if failure of any periodical renewal is traced to incorrect methodology, the Ministry will not have the liability to pay for the same.

6. An immediate action and reply in this regard is requested.
