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No. RW-24011/2/89-RMP

Dated, the 1st May 1989

To

All Regional Officers, All Regional SEs(M), at Bangalore, Calcutta, Jaipur, Guwahati, Lucknow and EE(M) Patna, All E.L.Os.

Subject: Use of Hot Mix Plants on National Highway works.

Ref: (1) Ministry's letter No. RW-RMP-16(3)/84 dated 1.1.1985.

(2) No. RW/RMP-16(3)/84 dated 18.3.88.

In order to obtain mix of required specifications and ensure quality of bituminous road works on National Highways, Ministry had issued detailed specifications and component arrangements of the Hot Mix Plants in Annexure to the letter No. RW/RMP-16(3)/84 dated 1.1.85 mentioned at reference 1. above.

2. In para 2 of Ministry's letter referred above, it was indicated that "while inviting tenders and allotting works to contractors, it may be specified that Hot Mix Plant should conform to component arrangements as per Annexure attached. This should also form part of the contract document. Work should not be allowed to be executed by the contractors with the plants which do not fulfil these minimum requirements". Subsequently, Ministry reiterated these instructions vide letter No. RW/RMP/16(3)/84 dated 18th March, 1988. A copy of the same was endorsed to you also. The States were also requested to follow these instructions strictly.

3. The technical requirements of HMP have been incorporated in the 'Revised Specifications for Road and Bridge Works' vide Clause No. 504.3.4 issued by Indian Roads Congress in 1988. These revised specifications have been made applicable with effect from 1.6.88 as per Ministry's letter No. RW/33035/1/87-NH-Stds/DII dated 14th March, 1988.

4. Despite all the above stipulations, it has been observed that a large number of hot mix plants belonging to the contractors and the State PWDs still do not conform to the specifications. It is, therefore, very essential that all out efforts be made to ensure that the contractors deploy only those Hot Mix Plants which conform to the specifications. If need be necessary modifications should be carried out to the existing plants so that they conform to the prescribed specifications. In no case, plant which do not conform to the laid down specifications should be used for the execution of NH works, as already being stressed by the Ministry time and again.

5. In order to achieve the above objective, it has been decided that all the hot mix plants be inspected by the field officers of the Ministry before commencement of work as under:

- (i) Inspection of plants belonging to contractors and State PWDs will primarily be the responsibility of R.Os and E.L.Os. However, these will also be inspected by Regional SEs(M) EEs(M).
- (ii) Inspection of plants belonging to the Ministry will be the responsibility of Regional SEs(M)/EEs(M).

Incompleteness or deviations in the plants should be pointed out with details to the State PWDs under intimation to the Ministry. For the plants presently deployed on central works consolidated report in the form of enclosed check lists should be sent to the Ministry latest by 30.6.89. Any deviations coming to the notice of the Ministry later will be considered a lapse on the part of concerned officers. Report(s) on the subsequent plants should follow.

Please acknowledge the receipt.

*Enclosure to Ministry's Technical Circular No. RW-24011/2/89-RMP dated the 1-5-89.*

#### CHECK LIST FOR HOT MIX PLANT BEING USED FOR NH WORKS

1. Name of State :
2. Name of Division :
3. Location of Plant:                      NH                      KM
4. Job Nos. on which Deployed :
5. Particulars of Hot Mix Plant :
  - (a) Make
  - (b) Model
  - (c) Whether Batch Type/Continuous/Drum Mix Type
  - (d) Machine No. :
  - (e) Capacity :

6. Whether belong To: Central/State PWD/Contractor

7. Whether fitted with

- (a) Cold feed system consisting of hoppers and gates:
- (b) Belt conveyor systems for cold feed.:
- (c) Dryer drum temperature measuring arrangement.
- (d) Secondary gradation control systems: (Applicable only for batch/continuous HMB)

or

For drum mix plant variable speed belt conveyors or other devices for accurate/proportioning of aggregates feed and screen for oversize rejection with appropriate control system.

- (e) Bitumen measuring and feed control system synchronized or manual.
- (f) Filler feed system.
- (g) Mixer unit twin shafts pug-mill type (applicable only for batch/continuous HMB)
- (h) Bitumen heating and supplying system and temperature measuring arrangement.
- (i) Dust collection system.
- (j) Any other feature.
- (k) Remarks, if any.