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No. RM-14 (3)/83

Dated the 22nd October, 1983

To

All the Chief Engineers of States/UTs/CPWD dealing with National Highways

Subject : Review of scheduled working hours of machines per annum

The Road Building Machinery Committee had recommended that for machines working in a single shift for 8 hours on road construction projects, a maximum of 1500 working hours per annum may be adopted for calculating the requirement of machines and hire charges, evaluating performance, provision in the works estimates, etc. The Committee had also suggested that Ministry may go into the question of fixing reasonable quantum of working hours per annum, for the machines which cannot have continuous

work, or where working season is of less duration, due to climatic condition, etc.,. These recommendations of the RBMC were accepted by the Minsitry and circulated to all the State PWDs vide letter No. RM-21 (1)/75 dated 20.6.75.

2. Some States like Assam, West Bengal, etc., while submitting the annual utilisation programmes had expressed that because of longer monsoon and heavy rainfall the availability of working days in a year varies from 150 to 175 days and hence, it was not possible to achieve the target of 1500 working hours in a year on road works. However, in absence of proper feed back from the States, the scheduled yearly working hours could not be revised or refixed.

3. Further, the working season also varies for different types of equipment and work to be done. For e.g., working period for Hot-mix plant, Paver finisher and allied machinery may be less than that of Road-rollers and trucks, as they have to be shifted periodically from one site to another, etc.

4. Similarly, no continuous work can be provided to the machines like Cranes, Air-compressors, Generating sets, Welding sets, Water pumps, Concrete mixer, Power Winches, etc.,. Some of these are not directly deployed on work but, are meant for repairs and maintenance of main equipment.

5. Keeping the above in view an attempt has been made to categorise the different machines in the following three categories as per Annexure.

- A. Machines for which regular work can be provided throughout the year.
- B. Machines for which work can be provided only for a limited period i.e., in working season alone.
- C. Machines which cannot be used continuously, and which are not directly deployed on work.

6. You are requested to kindly intimate with details, taking into consideration the rainy season, holidays, weekly offs, maintenance days of machines, nature of work, etc., what in your considered opinions the scheduled yearly working hours should be for each of the above three categories of machines, to enable the Ministry to revise the norms in this regard, if necessary. Your reply latest by 30th November, 1983 would be appreciated.

ANNEXURE

(A) MACHINES FOR WHICH REGULAR WORK CAN BE PROVIDED : THROUGHOUT THE YEAR:

- (i) Road-Roller
- (ii) Trucks
- (iii) Tractors
- (iv) Stone Crushers

(B) MACHINES WHICH CAN BE UTILISED ONLY DURING WORKING SEASON i.e., FOR LIMITED PERIOD OF THE YEAR :

- (i) Hot-Mix Plants
- (ii) Paver Finishers
- (iii) Pay Loaders
- (iv) Dozers
- (v) Scrapers
- (vi) Bitumen Boilers
- (vii) Graders
- (viii) Concrete Mixers

(C) SERVICE MACHINES i.e., THE MACHINES WHICH CAN BE USED FOR SPECIFIC WORK AS AND WHEN NEEDED :

- (i) Cranes
- (ii) Air-Compressors
- (iii) Generators
- (iv) Welding Sets
- (v) Pumping Sets
- (vi) Vibrators
- (vii) Grit Spreaders
- (viii) Power Winches
- (ix) Soil Stabilisers
- (x) Pile Driving Sets
- (xi) Core Drilling machines