

No. RW-24011/1/88-RMP

Dated the 5th May, 1988

To

All the Chief Engineers, State PWD dealing with National Highways.

Subject : Revision of Annual Utilisation norm for Central Machines Deployed on NH Works.

In this Ministry's D.O. letter No. RM-3(34)/70, dated 18.3.1972 certain assumption regarding working hours of machines per annum was made. In due course from the feed back received from some of the State PWDs it transpired that the norm of 1500 working hours per year are not practicable to achieve for road works because of scattered nature of work and limitation of the working season etc. With a view to revising the norm the State Chief Engineers were requested to give their suggestions *vide* letter No. RM-14(3)/83, dated 22.10.1983.

2. Subsequently this matter was referred to the Standing Committee of Senior Mechanical Engineers in the Highway Sector. This Committee as per the minutes of the third meeting circulated *vide* letter No. RW-20015/1/87-RMP, dated 10.9.1987 have recommended the annual utilisation norms for road construction machinery.

3. Keeping in view these recommendations and considering the fact that some of the machines like Paver winches, concrete mixers, cranes, etc. can be used only as and when required and not on continuous basis, the machines can be divided in the following categories : —

- 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.

4. It has been decided that henceforth the schedule working hours per annum for different machines for road/bridge works may be adopted as per attached Annexure 'A'.

ANNEXURE 'A'

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

	Annual Utilisation Norm
(i) Road-Roller (All types)	1000 Hrs
(ii) Trucks	30,000 kms
(iii) Tractors	1000 Hrs
(iv) Stone Crushers/Granulators	1000 Hrs

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

(i) Hot-Mix Plants (All capacity)	800 Hrs.
(ii) Paver Finishers	800 Hrs
(iii) Pay Loaders (All capacity)	1000 Hrs
(iv) Dozers	1000 Hrs
(v) Scrappers	1000 Hrs
(vi) Graders	1000 Hrs
(vii) Bitumen Sprayer/Grit spreaders	1000 Hrs

(C) SERVICE MACHINES/ANCILLARY WHICH CANNOT BE USED CONTINUOUSLY AND WHICH ARE NOT DIRECTLY DEPLOYED ON WORKS :

(i) Cranes	No specific norms fixed to be utilised as per requirements
(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	
(xii) Concrete Mixers	
(xiii) Water Tankers	
(xiv) Mobile workshop etc.	
