The Principal Chief Engineers  
All Zonal Railways  

Sub: Recording of Track Parameters by TRC/OMS and monitoring of Track.

Track recording cars and OMS are vital track monitoring aids. It is imperative that track running quality results are properly analyzed and corrective action are taken to improve the quality of track running.

Para 611 of IRPWM stipulates that spots (locations) requiring immediate attention, indicated by large peaks should be noted down by the ADEN, JE/SSE (P.Way) accompanying the car and immediate attention should be given to these kms without loss of time. A comparison of the records of each section with the previous run should be made and details of locations needing attention is to be done by the divisions as well at HQ and use it in taking maintenance decisions including deployment of track machines. Special attention should be paid to analyse the root cause for the location(s) where irregularities are high and where the defects are reappearing in successive recording runs. Suitable action shall be taken to eliminate the cause(s).

The monitoring of the Riding Quality of Track is done at close interval by portable accelerometers (OMS) which record vertical and lateral accelerations. Accelerometer recording should be done by putting the accelerometer over the rear pivot location of the nominated recording cum inspection coach for engineering department. It is preferable that same coach and the same vehicular position are used in successive runs. This should be generally run with a separate locomotive or in exceptional circumstances attached with the fastest daytime train of the section. If it is not possible to do OMS run using a special coach, it can be placed on the pre-decided pivot (for the purpose of comparison) of the locomotive or rearmost vehicle of the fastest daytime train of the section. Accelerometer run is required to be done at the maximum permissible speed of the section to get representative values. As such, it is essential that the OMS recording is done by fastest train/means in the Section. Attention to track should be given for spots where acceleration values are in excess of specified values as prescribed in IRPWM.

All Railways are advised to confirm receipt of the letter and to ensure the compliance of above instructions.

(Pankaj Tyagi)  
Director/Civil Engg.(Plg)  
Railway Board