

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:2354
ANSWERED ON:07.12.2006
HI -TECH WARNING SYSTEM FOR DRIVERS
Chowdhury Shri Adhir Ranjan;Singh Shri Uday

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways are developing a highly advanced, foolproof protection and warning system that can prevent the possibility of train collision due to driver's error;
- (b) if so, the details in this regard;
- (c) whether to prevent train accidents a large number of steps were taken in the last few years;
- (d) if so, whether these steps have been found insufficient; and
- (e) if so, the extent to which the recently developed Hi-tech warning system for drivers is likely to be more effective?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI R.VELU)

- (a) & (b) Yes Sir, pilot implementation of Signaling based Train Protection Warning System (TPWS) and Global Positioning System (GPS) based Anti-Collision Device (ACD) is in progress to prevent the possibility of train collision due to drivers error and station staff error. TPWS is being installed in Delhi-Agra and Chennai-Gummidipundi sections over Northern, North Central and Southern Railways. ACD is being tried out in Katihar- New Jalpaiguri - Guwahati -Tinsukhia-Dibrugarh section on North-east Frontier Railway (NFR).
- (c) & (d) Indian Railways keeps taking measures to prevent train accidents commensurate with the technology available, and scope of these measures keeps evolving as per requirements.
- (e) The effectiveness of these systems can be commented upon after their performance evaluation under Indian conditions, final testing and commissioning.