

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:1930
ANSWERED ON:05.08.2010
ACCIDENTS DUE TO FOG
Pradhan Shri Nityananda

Will the Minister of RAILWAYS be pleased to state:

- (a) the details of rail accidents due to fog during winter seasons since the year 2008 till date;
- (b) whether to control such accidents/collisions, it has been proposed to adopt European technology;
- (c) if so, the details of rail zones where such system has been installed;
- (d) the details of action plan to cover other rail zones under this project as well;
- (e) whether the Railways have also developed crash proof coaches and locomotives that would control fire and smoke in certain pairs of long distance trains; and
- (f) if so, the details thereof, inter-alia indicating the rail routes where such coaches are proposed to be attached to the rakes of the trains?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS(SHRI K.H. MUNIYAPPA)

(a) to (f): A Statement is attached.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF THE UNSTARRED QUESTION NO. 1930 BY SHRI NITYANANDA PRADHAN TO BE ANSWERED IN LOK SABHA ON 05.08.2010 REGARDING ACCIDENTS DUE TO FOG.

(a): Train accidents have occurred during all seasons and all types of weather conditions including during fog. No accident on Indian Railways can be attributed to fog as the cause of the accident. In 2008-09, during December, 2008 and January, 2009, 26 consequential accidents including 5 collisions took place, while in 2009-10 during December, 2009 and January, 2010, 15 consequential accidents including 3 collisions occurred on Indian Railways.

(b) to (c): Yes, Madam. Train Protection Warning System (TPWS) based on European Technology has been installed, as a pilot project, on the Chennai - Gummidipundi suburban section (50 Route Kilometers) of Southern Railway since May, 2008. Service trials are in progress on second pilot project of TPWS on Delhi-Agra section (200 Route Kilometers) of Northern and North Central Railways.

(d): TPWS has been planned to be deployed progressively on High Density Network and Automatic Signalling sections on Indian Railways depending upon priority and availability of funds. Installation of TPWS on four Zonal Railways (Western, North Central, Eastern and South Eastern) covering 828 Route Kilometers has been sanctioned in the Rail Budget 2010-11.

(e) & (f): To improve upon the standards of safety, 'Crashworthy' coach design with Center Buffer Couplers (CBC) which enables absorption of significant amount of energy during the impact/collision leaving the passenger area unaffected has been developed. A total of about 465 such crashworthy ICF design coaches have been manufactured so far. To enhance fire worthiness of coaches, all new coaches manufactured after 2005-06 have been fitted with fire retardant materials. Further, old coaches are also retrofitted with fire retardant materials at the time of periodic overhauling. Safety devices in locomotives to prevent fire include hot engine device to bring the locomotive to 'Idle', cooling arrangement (radiator) as part of the locomotive, etc. Automatic smoke and fire detection system has also been installed in one rake of New Delhi-Bhubaneswar Rajdhani Express as a pilot project.