

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:3593
ANSWERED ON:15.12.2011
INTEGRATED FIRE AND SMOKE DETECTION SYSTEM IN TRAINS
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Will the Minister of RAILWAYS be pleased to state:

- (a) whether the installation process of integrated fire and smoke detection system in trains by the Railways is slow;
- (b) if so, the reasons therefor; and
- (c) the steps being taken/proposed to be taken by the Railways to check the recurrence of incidents of fire and accidents in future?

Answer

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

(a) & (b) No, Madam. As a pilot project, Indian Railways has installed early fire and smoke detection system on one rake of New Delhi-Bhubaneswar Rajdhani train. Based on this initial trial, technical specification of the system will be reviewed. After successful field trials and design validation, further action will be planned.

(c) The following steps have been taken/proposed by the railways to check the re-occurrence of fire accidents in future:

- (i) In Railway Carriages, fire retardant cable and multi-tier electrical protection systems are provided to prevent incidents of fire due to electrical defects.
- (ii) Introduction of fire retardant furnishing materials in coaches and regular upgradation of specification to international norms to delay fire propagation in coaches.
- (iii) Provision of fire barrier and thermic lock in vestibule doors to delay fire propagation in Linke Holfmann Busch (LHB) type of coaches.