

**GOVERNMENT OF INDIA  
RAILWAYS  
LOK SABHA**

STARRED QUESTION NO:311  
ANSWERED ON:15.12.2011  
FOG SAFE DEVICES IN RAILWAYS  
Singh Shri Rakesh

**Will the Minister of RAILWAYS be pleased to state:**

- (a) whether a project named as 'Train Protection Warning System' (TPWS) has been launched in all the fog affected areas of the Indian Railways;
- (b) if so, the details thereof;
- (c) the other devices including Broad Circuit Breaking Device proposed to be installed by the Railways to ward off rail accidents due to poor visibility in foggy weather;
- (d) whether such devices are proposed to be installed in all the Zones of Indian Railways including Jabalpur; and
- (e) if so, the details thereof?

**Answer**

MINISTER OF RAILWAYS (SHRI DINESH TRVEDI)

(a) to (e): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY OF PARTS (a) TO (e) OF STARRED QUESTION NO. 311 BY SHRI RAKESH SINGH TO BE ANSWERED IN LOK SABHA ON 15.12.2011 REGARDING FOG SAFE DEVICES IN RAILWAYS.

(a) Yes, Madam.

(b) After gaining experience from two Pilot projects for provision of TPWS commissioned on suburban section of Southern Railway, i.e. between Chennai Central & Gummidipundi (50 Route Kms) and the service trials on Delhi-Agra non-suburban section since July, 2010, five works have been sanctioned on Eastern, North Central Railway, Southern, South Eastern and Southern Railways covering about 900 Route Kms. RITES Ltd. has worked out a cost effective option for the execution of the sanctioned works.

(c) Equipment called Broad Circuit Breaking Device has not been tested on Locomotives.

Indian Railways have planned to install Global Positioning System (GPS) based Fog Safe Devices on some trains which run in the fog affected areas only on trial basis. It displays the name and distance of approaching signals and other critical landmarks in advance even during poor visibility condition which helps reduce stress of Loco Pilots while running trains in foggy weather. It indicates that locomotive is approaching a signal post.

Modified Automatic Signalling has been provided in Automatic Block sections on North Central Railway (NCR) and Northern Railway (NR) to handle train operations safely during fog by maintaining the adequate distance between two trains.

(d) No, Madam.

(e) Does not arise.