

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 1970
TO BE ANSWERED ON 07.03.2018**

DELAY IN TRAINS DUE TO FOGGY WEATHER

1970. SHRI ABHISHEK SINGH:

Will the Minister of RAILWAYS be pleased to state:

- (a) the steps taken by the Government to prevent unnecessary delays of trains especially during winter fog; and**
- (b) the number of trains found running late in the last one year, zone-wise data thereof?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

(a) and (b): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) AND (b) OF UNSTARRED QUESTION NO. 1970 BY SHRI ABHISHEK SINGH TO BE ANSWERED IN LOK SABHA ON 07.03.2018 REGARDING DELAY IN TRAINS DUE TO FOGGY WEATHER

(a) The following actions have been taken by Indian Railways to prevent unnecessary delay and for smooth and safe movement of trains especially during winter fog:

(1) Railways ensure the following during winter:

- (i) Adequate availability of detonators at stations.**
- (ii) Lime marking across the track at the Signal Warning/Sighting Board.**
- (iii) Fresh painting of the Signal Warning (Sighting Board).**
- (iv) Fresh painting of Whistle Board, Fog Signal Posts, Road Signs, Lifting barriers of busy level crossings with Yellow/Black luminous indication strips.**
- (v) Adequate availability of additional staff for placement of detonators either from the Engineering Department or from the Operating Department.**
- (vi) Display of flashing red light tail lamp at the last vehicle of trains even during day time if the dense fog persists in lieu of tail boards in normal working.**
- (vii) Counseling of staff involved in train operation.**
- (viii) Intensive, round the clock monitoring of trains is done during fog at all three levels viz., Divisional, Zonal Head Quarter and Railway Board to ensure their punctuality.**
- (ix) To ensure running of trains right time when pairing trains are running late, scratch rakes are inducted to the extent operationally feasible.**

- (x) To avoid delay of trains due to foggy weather and to enhance level of safety in automatic block signaling sections affected by fog, the modified automatic signaling has been introduced which allows only two trains between stations.**

(2) In addition, the following technological advancements with respect to signaling are also being undertaken:

- (i) Indian Railways have implemented Automatic Train Protection (ATP) system conforming to European Train Controlling System (ETCS) Level-I on 342 Route kilometers in which Movement Authority (Distance to travel) displayed in the Loco Cab is updated, whenever Loco passes over a balise fitted on track. This enables loco pilot to know the condition of signals ahead even when the visibility of signals is poor due to fog or any other reasons.**
- (ii) Indian Railways is now planning to implement an advanced version of Automatic Train Protection (ATP) system namely European Train Controlling System (ETCS) Level-II on its entire BG network of 60,000 Route Kilometers which will enable continuous updating of Movement Authority in Loco Cab through wireless network. The continuous updating of Movement Authority will ensure improved speed and line capacity as compared to ETCS Level-I.**
- (iii) A Global Positioning System (GPS) based 'Fog PASS device' has been developed which displays the name and distance of approaching signals and other critical landmarks like Un-manned level crossings etc. in advance during poor visibility conditions. It is expected to help reduce stress on Loco Pilots while running in foggy weather. About 6940 fog safe devices have been**

commissioned in 6 (Six) Zonal Railways (East Central, Northern, North Central, North Eastern, Northeast Frontier and North Western Railways) where the trains pass through fog affected region.

(b) Zone wise number of Mail/Express trains reaching destination late during last year for the period from 01 March-2017 to 28 February-2018 is tabulated below:

Zone wise average number of trains per day reaching destination late during last year for the period from 01 March 2017 to 28 February 2018			
Sr.	Zonal Railways	Average Number of Scheduled trains per day	Average number of trains per day reaching destination late
1	Central	144	23
2	East Coast	59	15
3	East Central	110	50
4	Eastern	103	32
5	Konkan Rail	8	1
6	North Central	45	15
7	North eastern	73	30
8	Northeast Frontier	70	13
9	Northern	307	120
10	North Western	80	19
11	South Central	115	11
12	South East Central	25	7
13	South Eastern	82	18
14	Southern	194	38
15	South Western	86	14
16	West Central	43	10
17	Western	124	21
Grand Total		1669	436
