

Year	Number of consequential accidents				Number of consequential accidents on account of human negligence
	North Central Railway	North Eastern Railway	Northern Railway	Total	
2013-14	4	6	16	26	24
2014-15	7	14	20	41	36
2015-16	4	9	20	33	31
2016-17	7	3	14	24	22
2017-18	5	5	16	26	25

(c) On Indian Railways, majority of regular systematic track maintenance activities are done by track machines owned and operated by permanent railway staff. Other maintenance activities as required are carried out mostly by sectional gangs. However, some of the activities mostly pertaining to track renewal and incidental to track maintenance have been identified for execution through contracts under the supervision of railway staff.

(d) Staff strength position of Track Maintainer Grade-I, II, III, IV (Mate, Keyman, Trackman, Gateman, Patrolman, Trolleyman) as on 01.10.2018 is as under:—

Sanctioned strength	Men on roll	Vacancy
268009	211191	56818

(e) The track is maintained as per the provisions contained in Indian Railway Permanent Way Manual and Manual of Long Welded Rails etc. Length of track with each gangman varies from about 5 to 8 km.

Audio-visual warnings at level crossings

2684. SHRI VIVEK K. TANKHA: Will the Minister of RAILWAYS be pleased to state:

(a) whether it is a fact that the Standing Committee on Railways recommended audio-visual warnings to be implemented at level crossings to warn road users about approaching trains but the Ministry has not been able to achieve the target; and

(b) if so, the details of the implementation of such warnings in the last two years?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI RAJEN GOHAIN): (a) and (b) Standing Committee on Railways has recommended provision of audio-visual warning to road users about an approaching train at all level crossings

gates (manned and unmanned). All interlocked level crossings gates have been provided with facility of audio-visual warning road users about approaching trains. Indian Railways is conducting trial in association with Space Applications Centre/ Indian Space Research Organisation (SAC/ISRO) for development of prototype system for provision of audio-visual warning at non-interlocked level crossing gates to warn road users about approaching trains.

Punctuality rate of trains

2685. SHRI MD. NADIMUL HAQUE: Will the Minister of RAILWAYS be pleased to state:

(a) whether the punctuality rate of Railways has declined considerably in the last three years;

(b) if so, the details as well as the reasons therefor, zone-wise;

(c) whether there has been a change in the criteria for determining the punctuality of trains, if so, the details thereof as well as the impact of it on the arrival and departure of trains; and

(d) the details of other steps taken by Government to improve the punctuality rate of trains without compromising on train safety?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI RAJEN GOHAIN): (a) and (b) The zone-wise punctuality performance over Indian Railways for the last three years and the current year (April to November, 2018) is as under:—

Zone-wise punctuality (%) performance during the last three years and the current year (April to November, 2018)

Zonal Railway	2015-16	2016-17	2017-18	2018-19 (up to Nov.)
Central	91.79	93.19	89.92	86.22
East Coast	77.74	78.25	73.38	73.51
East Central	61.88	63.29	58.68	63.22
Eastern	92.32	91.5	82.05	71.71
Konkan	84.15	86.71	75.29	79.64
North Central	41.96	46.65	52.77	47.41
North Eastern	81.52	77.99	73.32	67.45
Northeast Frontier	87.04	89.25	80.55	75.71
Northern	76.89	73.15	64.97	57.21