

भारत सरकार (GOVERNMENT OF INDIA)
रेल मंत्रालय (MINISTRY OF RAILWAYS)
रेलवे बोर्ड (RAILWAY BOARD)

No. 2016/CE-II/Safety/Precaution

New Delhi, date 05.05.2025

**Principal Chief Engineers,
All Zonal Railways**

Sub: Monsoon precautions

Monsoon is likely to set in next few weeks in the most parts of the country. Railways have been making adequate arrangements in regard to necessary precautions as prescribed in Chapter 11 - Part 'C' - "Pre-Monsoon Precautionary Measures" of IRPWM 2024. These inter-alia include patrolling of track and posting of stationary watchmen at vulnerable bridges & locations, availability of reserve materials for restoration, relief girders and other necessary equipment, inspection of Railway Affecting Works/Railway Affecting Tanks, weather warning and follow up action. Some of the important activities related to subject are reiterated below:

- (i) All catch water drains and side drains must be cleared of silt, vegetation and other obstructions to ensure free flow and quick drainage of storm water.
- (ii) Water shall not be allowed to stagnate on the track. For this purpose, cross drains should be provided at regular intervals. In yards, cross drains and longitudinal drains should be cleared/provided to proper grades.
- (iii) All locations where problems of settlement/disturbed parameter of track were observed during last year must be checked by SAG level officers of HQ to see the adequacy of measures taken or further strengthening required.
- (iv) In hilly areas, where incidences of falling of boulders have occurred in past, a survey should be carried out to locate loose boulders. Such loose boulders should be dropped in a systematic manner.
- (v) Vulnerable locations/kilometrages should be reviewed by the Assistant Divisional Engineers and Sr. DENs/ DENs on the basis of past history and pre-monsoon inspections and the register of vulnerable locations should be brought up-to-date.
- (vi) Arrangement should be made with the concerned Meteorological Centre for receipt of bad weather warnings. SSE/P.Way(In-charge) on receipt of weather/cyclone warning should arrange to advise monsoon patrolmen/watchmen and Gang Mates to be extra vigilant.
- (vii) Zonal Railways may issue instructions in the form of joint circular to suit the local requirements about weather warning and action to be taken by different officials.
- (viii) As per Para 1003 of IRPWM 2024, in the event of abnormal rainfall or storm during day or night, the Gang Mate should, on his own initiative organize patrolling over the length affected, independent of other patrolling, if any being done. As per Para 106(1)(f) of IRPWM 2024, it is the duty of SSE/P.Way(In-charge) to ensure timely removal / cutting of trees in proximity to and liable to foul the track during a storm.

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- (ix) Drainage of track is vital for satisfactory behavior of track. The drainage in station yards, most of which are track circuited, is of paramount importance not only from track maintenance point of view but also from safety and operation points of view. Para 641 & 662(2)(g) of IRPWM 2024 clearly stipulates about proper drainage in station yards and track circuited areas.
- (x) ADEN/Sr. ADEN should inspect sections during monsoon by footplate, motor trolley etc. on regular basis.
- (xi) Sr. DENs/DEN should also inspect locations affected previously by excessive flow of rain water to get first hand information on the causes and suggesting solutions to prevent such occurrence in future.
- (xii) Locations having previous history of water logging as well as the sites where problems persisted last year, should also be checked by concerned divisional Engineers for further protection, if required.

Railways shall ensure strict compliance and confirm the action taken on the above.

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05-05-25
(S.M.Pandey)
Exe. Dir. Civil Engg.(P)
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Copy to : PSO/MI for kind information of M/Infra.