

Issued by bmcell
on 24.03.25

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No. 2021/14/CE-III/BR/1/Monsoon

New Delhi: dt.24.03.2025

**Principal Chief Engineers,
All Zonal Railways.**

Sub:- Monsoon Precautions (2025-26).

Ref:- Board's letter No. 2010/CE-I/BR/Monsoon Policy dated 20.07.2010.

2. Board's letter No. 2021/25/CE-III/BR/1/BMS/Drone (E-3413476) dated 08.02.2024

Monsoon (2025) is approaching shortly and hence Zonal Railways are advised to take adequate monsoon precautions and necessary action as contained in IRPWM, Chapter-10 "Patrolling of Railway line" and Chapter-11/Part-C "Pre-monsoon precautionary measures". Thus, Zonal Railways to confirm that they have:

- Issued detailed guidelines on monsoon precautions to be taken by all the divisions of the Zonal Railways.
- Adequate monsoon reserves such as relieving spans, boulders, sand/quarry dust stacked at suitable location and loaded in wagons at appropriate stations in terms of Para 709 of IRBM and Para 1125 of IRPWM and its update in IR-BMS(Bridge Management System).
- Issued detailed guidelines on monsoon patrolling and protection of vulnerable Bridges/locations.
- Sufficient bags filled with sand/quarry dust at suitable locations so that the same could be loaded in wagons urgently in case of emergency.

2.0 In addition Zonal Railways should:

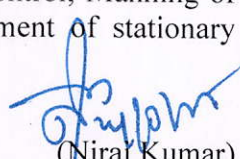
- Furnish the locations of monsoon reserve and available quantities of materials thereof in the BMS and summary to be attached as Annexure enclosed.
- Conduct inspection jointly with the State Government and deficiencies, if any, may be made good through the State Government.
- Make arrangement with concerned metrological centre for receipt of bad weather warning (it should cover both high velocity winds and cyclone as well as heavy rainfall).
- Maintain liaison with local authorities for real time monitoring of excess release of water from reservoirs/dams so that adequate protection of railway structure could be taken without loss of time.

3.0 The action taken on above/details sought for should be furnished latest by **01.04.2025** by e-mail bmcellrb@gmail.com.

4.0 It may also be ensured that all continuous water level monitoring systems are properly functioning and linked with BMS & Monsoon Booklets uploaded in BMS.

5.0 Monitoring/maintenance of railway bridges is done by coordination with IMD, Ministry of Jal Shakti, local authorities. Joint inspection of Railway Affecting Works/Railway Affecting Tanks (RAW/RAT) is done annually. Regular dissemination of warnings by IMD to Divisional HQ control, Manning of control centre, deputing regular patrolling of track/vulnerable stretches, deployment of stationary watchmen etc.

DA: As above

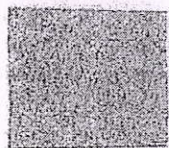

(Niraj Kumar)
Executive Director, Civil Engg./B&S
Railway Board

Copy to: GMs, All Zonal Railways.

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GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No. 2910/CE-4/BR/Monsoon/Policy

New Delhi, Dt.: 20.7.10

Principal Chief Engineers,
All Indian Railways

Sub: Monsoon reserves

Ref.: Para 709 of IRBM and Para 724 of IRPWM

- 1.0 Para 709 of IRBM and Para 724 of IRPWM provides that monsoon reserves such as pitching stone, boulders, sand/quarry dust etc. would be stacked at suitable locations in stacks and would also be kept ready loaded in wagons at appropriate stations for quick movement in case of emergency. The above paras also provide that the locations and quantity of reserve stock of pitching stone, boulders, sand/ quarry dust etc. to be kept on ground in stacks and loaded in wagons would be fixed by Chief Engineer/ Chief Bridge Engineer.
- 2.0 During recent monsoon damages on one of the railways, it has been observed that restoration could be expedited if synthetic cement bags filled with sand/quarry dust were readily available because a lot of time was taken in filling sand/quarry dust in empty cement bags. It is therefore, desirable that out of the total quantity of sand/quarry dust prescribed by railway as monsoon reserve, a certain quantity should be kept filled in empty cement bags loaded in wagons. Bifurcation of sand/quarry dust monsoon reserve to be kept in stacks/ loaded wagons and that filled in bags loaded in wagons be decided by PCE/CBE. Besides this, sufficient stock of empty synthetic cement bags should also be kept by the railways for further use in emergency.

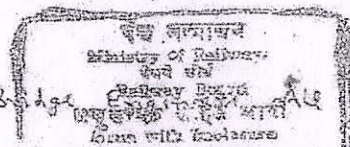
(C.K. Malik)
Additional Member (Civil Engg.)
Railway Board

Copy to :

1. Director, M. & C. E. S. for information and N.A.
2. M.D. K.R.L. Mumbai for information and N.A.

Copy to :

Chief Bridge Engineer, All Indian Railways - for information necessary action



GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2021/25/CE-III/BR/1/BMS/Drone (E-3413476)

New Delhi, dt. 08.02.2024

**Principal Chief Engineer,
All Indian Railways.**

Sub:- Introduction of Monsoon Booklet Module in Bridge Management system (BMS) application as per para 709 of IRBM.

Ref:- CPD/TMS/NR's letter No. No. 198-W/e-Gov/TMS/BMS/Estimate/Pt-1 dated 06.02.2024-(Copy enclosed).

With reference to the above subject matter, CRIS has developed a separate module for Monsoon Booklet in BMS. Provisions of IRBM para 709(1) and 709(6) regarding scale of monsoon reserve and annual return of monsoon reserves are incorporated in this module. The steps involved are explained in the above referred letter.

It is directed that henceforth, this module should be adopted so that all information will be available on line for all concerned which will expedite tackling of any eventually due to monsoon/flood.

This is for your information & necessary action please.

DA: As above.

Signed by Abhimanyu Lamba

Date: 08-02-2024 16:57:18

Reason: Approved

(Abhimanyu Lamba)

Director Civil Engg./B&S-II

Ph. No. 011-478-45459

Copy to:-

1. CBE, all Zonal Railways for information & necessary action please.
2. CPD/TMS/NR for information please.