

Issued by bmcell  
on 29.05.2024

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
RAILWAY BOARD

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

New Delhi: dt. 29.05.2024

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

**Sub:-** Monsoon Precautions (2024-25).

**Ref:-** Board's letter No. 2010/CE-I/BR/Monsoon Policy dated 20.07.2010 (copy enclosed).  
2. Board's letter No. 2021/25/CE-III/BR/1/BMS/Drone (E-3413476) dated 08.02.2024

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Monsoon (2024) is approaching shortly and hence Zonal Railways are advised to take adequate monsoon precautions and necessary action as contained in IRPWM, Chapter-X "Patrolling of Railway line" and Chapter-XI/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.
- 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.

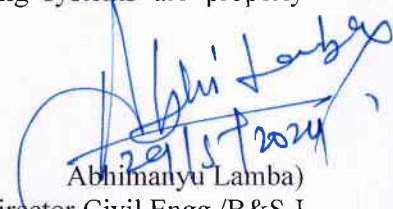
**2.0 In addition Zonal Railways should:**

- Furnish the locations of monsoon reserve and available quantities of materials thereof in the 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 **07.06.2024** by e-mail on [bmcellrb@gmail.com](mailto:bmcellrb@gmail.com).

**4.0** It may also be ensured that all continuous water level monitoring systems are properly functioning and linked to BMS by **15.06.2024**.

DA: As above

  
Abhimanyu Lamba)  
Director Civil Engg./B&S-I  
Railway Board  
Ph. No. 011-478-45459

Copy to:

1. GMs, All Zonal Railways.
2. CPDs/BW, All Zonal Railways.
3. Chief Bridge Engineers, All Zonal Railways for information and necessary action.

1/3

S. No. 16  
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GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
RAILWAY BOARD

No.2010/CE-IBR/Monsoon/Policy

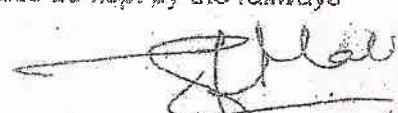
New Delhi, Dt.:20.7.10

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.

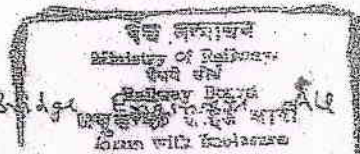
  
S.K. Malik  
Additional Member (Civil Engg.)  
Railway Board

Copy to :

1. Director, Railway Board, New Delhi 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)

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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).

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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.

## Northern Railway

Headquarters office,  
Baroda House,  
New Delhi.

No. 198-W/e-Gov/TMS/BMS/Estimate/Pt-1

Dated: 06.02.2024

**Principal Executive Director/Bridge,**  
Railway Board,  
Ministry of Railways,  
Rail Bhawan,  
New Delhi.

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

As per para 709 (1) of IRBM, *Location and quantity of reserve stock of pitching stone, boulder and other monsoon reserves should be fixed by Chief Engineer/Chief Bridge Engineer.*

Further vide para 709 (6) of IRBM, *the annual return of pitching stone, boulder and monsoon reserve should be submitted by each Divisional Engineer to the Chief Bridge Engineer by specified date after monsoon.*

Apart from above, position of vulnerable locations, service girders, CC cribs, consumables etc. and other vital information regarding monsoon precautions taken/to be taken before onset of monsoon, are forwarded by Divisions and Bridge line units to HQ office for preparation of monsoon Booklet at HQ level.

To cater for above requirement, a separate module has been introduced in BMS. Following action to be taken in this regard:

- i) After cessation of monsoon period, Sr.DEN/DEN may submit the annual return of pitching stone, boulder & monsoon reserve in their login [*Main Menu > Monsoon Booklet > Annual Return after Monsoon*] and forward to Sr.DEN/Co. On behalf of division, Sr.DEN/Co. may forward this to CBE through their login.
- ii) CBE has to approve the same through their login [*Main Menu > Monsoon Booklet > Consumable Approval*].
- iii) Once the quantity is frozen by CBE, each Sr.DEN/DEN may submit the Location and quantity of reserve stock of pitching stone, boulder & other monsoon reserve available along with position of vulnerable locations, service girders, CC cribs, consumables etc. and other vital information regarding monsoon precautions taken/to be taken before onset of upcoming monsoon to Sr.DEN/Co [*Main Menu > Monsoon Booklet > Monsoon Booklet Preparation*].



- iv) Thereafter, Sr.DEN/Co. has to upload “Monsoon Precaution Certificate” (in PDF format) duly signed by him and all Sr.DENs/DENs of Division & forward to DyCE/Br.HQ [*Main Menu > Monsoon Booklet > Upload Certificate*].
- v) Dy.CE/Bridge line may also forward position of service girders, CC cribs, Bridge relief train positions (if any) to HQ office (DyCE/Br.Hq), in parallel, through their login [*Main Menu > Monsoon Booklet > Monsoon Booklet Preparation*].
- vi) Once all positions from Divisions and Bridge Line units are received in HQ office, Dy.CE/Br.HQ may add other important information like forwarding letter for monsoon precautions, related CE circulars, important telephone nos. list, manning arrangement of HQ officials during emergencies etc. [*Main Menu > Monsoon Booklet > Monsoon Booklet Preparation*] and finalize the monsoon booklet at his/her end [*Main Menu > Monsoon Booklet > Generate Monsoon Booklet*].
- vii) This booklet can be downloaded in PDF format.

Railway board may issue suitable instructions to all zonal rlys for use of this module so that all information will be available on line for all concerned which will expedite tackling of any eventually due to monsoon/flood.

Once the instructions are issued by the Bd to all zonal rlys, CRIS will be advised to conduct the VC for all zonal Rlys, to explain this module.

ACHAL JAIN Digitally signed by ACHAL JAIN  
Date: 2024.02.06 10:00:11  
+05'30'

**Chief Project Director/TMS**

**Copy to:**

1. AMCE, Railway Board, New Delhi for kind information please.
2. MD/CRIS, Chanakyapuri, New Delhi for information and necessary action please.
3. EDCE/B&S, Railway Board, New Delhi for information and necessary action please.