

Issued by
Email on 21.11.23

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

No. 2017/09/CE-III/BR/UWI

New Delhi, Dated 21.11.2023

Principal Chief Engineer,
All Zonal Railways

Sub: Under Water Inspection of bridges.

Ref: Board's letter of even number dated 11.10.2017.

In reference of above subject matter, total 342 nos. of bridges have been identified for under water inspection on Indian Railways in year 2017-18.

In last five years, the nos. of asset have been created such as doubling, new lines etc., due to this nos. of Bridge identified for under water inspection might have been increased. Recently data has been collected for the same and nos. of Bridge identified for under water inspection is 400.

It is mention that under water inspection of the substructure of bridge is very necessary to assess the condition of the substructure in order to take suitable remedial measure for ensuring safety. However, still there is large nos. of Bridges due for under water inspection in many Zonal Railways as per annexure attached.

In view of the above, it is advised to Zonal Railways to confirm the nos. of bridges identified for under water inspection latest by 30th November, 2023 & complete the balance under water inspection.

DA: As above.

Niraj

Kumar

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by Niraj Kumar
Date: 2023.11.21
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(Niraj Kumar)

Executive Director Civil Engg./B&S

Ph. No. 011-478-47571

Copy to:- CBE, All Zonal Railways for information and necessary action please.

Annexure

Railway	Total Indetified For (UWI) as on 11.10.2017	Total Indetified For (UWI) as on 15.11.2023	Scope (Due during 2023- 24)	Progress in 2023-24	Balance in 2023-24
CR	30	21	4	3	1
ER	11	4	0	0	0
ECR	25	36	19	0	19
ECoR	3	12	12	2	10
NR	29	27	4	0	4
NCR	6	13	11	1	10
NER	10	16	0	0	0
NFR	49	56	17	0	17
NWR	0	0	0	0	0
SR	109	129	49	22	27
SCR	30	21	12	3	9
SER	12	27	2	4	-2
SECR	0	5	0	0	0
SWR	15	11	2	2	0
WR	5	9	2	2	0
WCR	8	13	2	0	2
Total	342	400	136	39	97

(5)

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD**

No. 2017/09/CE-III/BR/UWI

New Delhi, dt 11.10.2017

Principal Chief Engineers,
All Zonal Railways.

Sub: Under water inspection of Bridges.

Ref: Board's letter no. 2017/8/CE-III/BR/CBE's conference. dt. 24.4.17

Para 1107 (d) of IRBM (modified vide A&C slip no. 21 dtd 02.07.2010) regarding under water inspection of the substructure of Bridge stipulates as under:

"The substructure of bridges which are normally under water should be inspected by adopting suitable methods which may includes engaging of divers and special equipments:

- i. Routine/swim by inspection should be done once a year.
- ii. Detailed inspection should be done once in five year.
- iii. Special inspection- as considered necessary."


RDSO has also issued detailed guidelines on under water inspection of Bridges.

2. During the annual CBEs' meeting held in April' 2017, it was observed that total 342 bridges have been identified for under water inspection on Indian Railways. The detailed under water inspection of each identified bridge should be carried out once in five years as mentioned above. However, on perusal of the details submitted by zonal railways, it has been observed that large no. of bridges are overdue for underwater inspection. The position is placed at Annexure for ready reference.

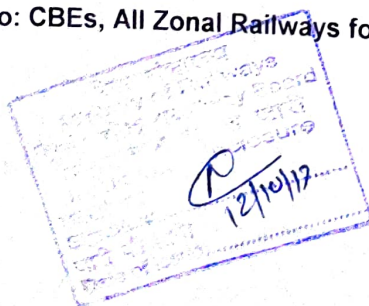
3. It is needless to mention that under water inspection of the substructure of bridge is very necessary to assess the condition of the substructure in order to take suitable remedial measures and hence ensuring safety. Time and again, Railway has been emphasised at various forums to carry out under water inspection as per the prescribed schedule. However still there is large backlog in many zonal railways which is not acceptable.

4. In view of above, you are requested to look into the matter personally and ensure that all the overdue under water inspections and inspections due in 2017-18 are completed within the current financial year without any slippage. The compliance in this regard may be submitted to Board by Dec' 2017 for perusal of Board (ME).

DA: AA


(A.K.Singhal)
Executive Director Civil Engg./B&S
Railway Board

Copy to: CBEs, All Zonal Railways for information and necessary action.



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