

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

No. 2022/7/CE-III/BR/CBEs Seminar

New Delhi, dated 30.05.2023

Principal Chief Engineers,
All Zonal Railways

Chief Administrative officers
All Zonal Railways

Sub: - RSI analysis with design of bridge before execution of the work.

Ref: i). Rly Bd's Letter No.2022/3/CE-IIICBE's Seminar (E-334929), dated 23/25.05.2023.

ii). RDSO Letter No. CBS/Project/LWR, dated 24.05.2023.


In ref to above subject matter, RSI (Rail Structure Interaction) analysis has been discussed and deliberated in CBE Seminar held on 24th & 25th Dec'2022 at IRICEN/Pune.

Further, "as per Para 330 of IRPWM, LWR can be permitted on ballasted deck bridges on case-to-case basis after doing RSI analysis. At present RSI analysis is being done after construction of the bridge and based on the suitability, LWR continuation is being permitted by PCE".

In view of above, as recommended by RDSO vide ref (ii) above, it is advised that "**RSI analysis should be done along with initial design of bridge as per BS-114 version-2" for continuation of LWR over bridges along with the bridge work or in future.**"

It is also advised that Zonal Railways should carry out RSI analysis for existing bridges to continue LWR across the bridges in a planned manner and consider taking up these works as per availability of fund.

This issue with the approval of PED/Bridge/Railway Board.


30.05-23
(L.L. Meena)

Director Civil Engg.(B&S)

Copy to following for kind information and necessary action please.

- i). CMD/MD- IRCON, RVNL, KRCL, DFCCIL and RITES.
- ii). PED/Infra-II/RDSO and ED/B&S/RDSO.
- ii). CBE's/All Zonal Railways for information and n/please.