The Principal Chief Engineers:

1. Central Railway, Mumbai CST-400 001.
2. Eastern Railway, Fairlie Place, Kolkata-700 001.
4. East-Coast Railway, Bhubaneshwar- 751 016.
5. Northern Railway, Baroda House, New Delhi- 110 001.
6. North-Central Railway, Allahabad- 211 001.
10. Southern Railway, Park Town, Chennai-600 003.
11. South Central Railway, Rail Nilayam, Secunderabad-500 371.
12. South East Central Railway, Bilaspur- 495 004.
13. South Eastern Railway, Garden Reach, Kolkata-700 043
14. South-Western Railway, Hubli 580 023.
15. Western Railway, Mumbai-400 020.
16. West-Central Railway, Jabalpur 482 001.

Sub: Addendum & Corrigendum Slip No. 4 to IRS Bridge Substructures and Foundation code (Second Revision-2013).


Vide letter under reference above, and in compliance of the Railway Board order, Addendum & Corrigendum Slip No. 4 regarding modification in existing clauses 4.9.2 & 4.9.3 to IRS Bridge Substructures and Foundation Code (Second Revision-2013) is enclosed for information and necessary action please.

Encl.: As above.
A. The Chief Bridge Engineer:
1) Central Railway, Mumbai CST-400 001
2) Eastern Railway, Fairlie Place, Kolkata-700 001
3) East Central Railway, Hazipur - 844101
4) East-Coast Railway, Bhubaneswar- 751 016
5) Northern Railway, Baroda House, New Delhi- 110 001
6) North-Central Railway, Allahabad.211 001
7) North Eastern Railway, Gorakhpur-273 001
8) North-Western Railway, Jaipur 302 001
9) Northeast Frontier Railway, Maligaon, Guwahati-781 011
10) Southern Railway, Park Town, Chennai-600 003
11) South Central Railway, Rail Nilayam, Secunderabad-500 371
12) South East Central Railway, Bilaspur 495 004
13) South Eastern Railway, Garden Reach, Kolkata-700 043
14) South-Western Railway, Hubli 580 023
15) Western Railway, Mumbai-400 020
16) West-Central Railway, Jabalpur- 482 001

B. The Chief Administrative Officer (Constr.):
1) Central Railway, Mumbai CST-400 001
2) Eastern Railway, Fairlie Place, Kolkata-700 001
3) East Central Railway, Mahendraghat, Patna (Bihar)-800 004
4) East Coast Railway, Bhubaneswar, (Orissa).
5) Northern Railway, Kashmir Gate, Delhi-110 006
6) North Central Railway, Allahabad, (U.P.) – 211 001
7) North Eastern Railway, Gorakhpur-273 001
8) North Western Railway, Jaipur, (Rajasthan) - 482 001
9) Southern Railway, 183, EVR Periyar, High Road, Egmore, Chennai-600 003
10) South Central Railway, DRM/ Secunderabad Office Compound, Secunderabad-500 371
11) South Eastern Railway, Garden Reach, Kolkata-700043
12) South East Central Railway, Bilaspur - 495 004
13) South Western Railway, No. 18 Miller Road, Bangalore, (Karnataka) – 560 046
14) Western Railway, Mumbai-400 020
15) Northern Railway, USERL Project, Satyam Resort Complex, Trikuta Nagar Extn., Jammu Tawi – 180 012.
16) Southern Railway, Ernakulam, Kerala – 682 506
17) West Central Railway, Jabalpur – 482 001

C. General Manager (Construction), Construction Organization, N.F. Railway, Maligaon, Guwahati – 781 001.

D. Executive Director Civil Engg./B&S, Railway Board, Rail Bhawan, Room No.140A, New Delhi-110001

E. Director, Indian Railway Institute of Civil Engineering (IRICEN), Pune – 410 001.

(Abhay Kumar)
Director/B&S/Construction
For Director General
Existing clause 4.9.2 and 4.9.3 be modified to read as under:

4.9.2 In special circumstances, where the free-board can be safely reduced and where adoption of the prescribed values would result in heavy expenditure and/or serious difficulties in construction, the free-board may be relaxed at the discretion of the Principal Chief Engineer/Chief Bridge Engineer as indicated below after taking measures for safety as considered necessary by Principal Chief Engineer/Chief Bridge Engineer:

<table>
<thead>
<tr>
<th>Discharge (Cumecs)</th>
<th>Minimum Free-Board (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 3</td>
<td>600</td>
</tr>
<tr>
<td>3 to 30</td>
<td>750</td>
</tr>
<tr>
<td>More than 30</td>
<td>No relaxation is permissible.</td>
</tr>
</tbody>
</table>

4.9.3 After taking measures for safety as considered necessary by Principal Chief Engineer/Chief Bridge Engineer, existing free board may be retained in following cases:
(i) Works other than rebuilding a bridge such as regirdering, strengthening / rehabilitation of substructure/superstructure, changing of bed blocks/bearings etc.
(ii) Extension of existing bridge for doubling purposes.

LUCKNOW
Dated: 11.08.2017

BY ORDER

(Kailash Singh)
Executive Director/Structures
B&S Directorate
R.D.S.O., Lucknow