

Mahendra Pratap Singh
महेन्द्र प्रताप सिंह
Director/B&S/CB-I
निदेशक /पुल एवं संरचना / सी बी-1



भारत सरकार-रेलमंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226011
Government of India - Ministry of Railways
Research Designs & Standards Organization
Lucknow - 226011
Rly : 032-42126 Fax : 0522-2465704
Email : dbscb1rds@rail.gov.in

No. CBS/Codes/A&C

Dated 27.07.2017

Principal Chief Engineer:

1. Central Railway, Mumbai CST - 400 001
2. Eastern Railway, Fairlie Place, Kolkata - 700 001
3. East Central Railway, Hazipur - 844 101
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. Northeast Frontier Railway, Maligaon, Guwahati - 781 061
9. North Western Railway, Jaipur - 302 001
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 West Railway, Hubli - 580 023
15. Western Railway, Mumbai - 400 020
16. West Central Railway, Jabalpur - 482 001

Sub : Addendum & Corrigendum Slip No: 6 to IRS Concrete Bridge Code (Reprint - 2014) regarding Corrosion Resistant measures for Reinforcement.

- Ref :
1. Railway Board letter No: 2016/4/CE-III/BR/BSC/84/Seminar, Dated 19.07.2017.
 2. Railway Board order vide letter no 2016/4/CE-III/BR/BSC/84/Seminar, Dated 21.03.2017 on Item No. 1060 of 84th BSC's recommendations.

In terms of reference 1 above an "Addendum & Corrigendum Slip No: 6 to IRS Concrete Bridge Code (Reprint - 2014) regarding Corrosion Resistant measures for Reinforcement" is enclosed for information and necessary action please.

DA: - As above. (1 page)

(Mahendra Pratap Singh) 27.07-17
Director/B&S/CB-I
For ED/structures/RDSO

Copy to:

(A)

1. OSD/ME for kind information of Member Engineering, Railway Board, Rail Bhawan, New Delhi - 110001
2. Chief Commissioner of Railway Safety, N.E. Railway Office Compound, Ashok Marg, Lucknow - 226002.
3. Additional Member (Civil Engg.) Railway Board, Rail Bhawan, New Delhi - 110001
4. Additional Member (Works) Railway Board, Rail Bhawan, New Delhi - 110001
5. Advisor (Bridges) Railway Board, Rail Bhawan, New Delhi - 110001
6. Director, Indian Railway Institute of Civil Engg., Pune - 411 001
7. Executive Director Civil Engg./B&S, Railway Board, Rail Bhawan, Room No.140A, New Delhi - 110001
8. General Manager (C), N. F. Railway, Maligaon, Guwahati - 781001
9. The Director General, National Academy of Indian Railways, Vadodara - 390004
10. Chief Engineer, Metro Railway, Jawaharlal Nehru Road, Kolkata - 700071
11. ED/B&S/RDSO, B&S Directorate, RDSO, 2nd Floor, Annexe - II Building, Manak Nagar, Lucknow, Pin - 226011 (UP)

(B)

The Chief Administrative Officer (Construction):

1. Central Railway, Mumbai CST - 400 001
2. Eastern Railway, Fairlie Place, Kolkata - 700 001
3. East Central Railway, Mahendrughat, Patna (Bihar) - 800 004
4. East Coast Railway, Bhubaneswar, (Orissa) - 751 016
5. Northern Railway, Kashmere Gate, Delhi - 110 006
6. USBRL Project, Northern Railway, Satyam Complex, Trikuta Nagar Extn., Jammu - 180 020
7. North Central Railway, Allahabad, (U.P.) - 211 001
8. North Eastern Railway, Gorakhpur - 273 001
9. North Western Railway, Jaipur, (Rajasthan) - 302 001
10. Southern Railway, Egmore, Chennai - 600008
11. South Central Railway, DRM/Secunderabad Office Compound, Secunderabad - 500 371
12. South Eastern Railway, Garden Reach, Kolkata - 700043
13. South East Central Railway, Bilaspur - 495 004
14. South Western Railway, No. 18 Miller Road, Bangalore, (Karnataka) - 560046
15. Western Railway, Mumbai - 400 020
16. West Central Railway, Jabalpur (M.P.) - 482 001
17. CAO/ERS, Southern Railway, Ernakulam, Kerala - 682506

(C)

Chief Bridge Engineers:

1. Central Railway, Mumbai CST- 400 001
2. Eastern Railway, Fairlie Place, Kolkata - 700 001
3. East Central Railway, Hazipur - 844 101
4. East Coast Railway, Bhubaneshwar - 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. Northeast Frontier Railway, Maligaon, Guwahati - 781 061
9. North Western Railway, Jaipur - 302 001
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 West Railway, Hubli - 580 023
15. Western Railway, Mumbai - 400 020
16. West Central Railway, Jabalpur - 482 001

(D)

Commissioner of Railway Safety:

1. Central Circle, 2nd Floor, Churchgate Station Building Mumbai - 400020
2. Eastern Circle, Multistoreyed Building of Eastern Railway, 12th Floor, Strand Road, Kolkata - 700001
3. Northern Circle, near Centre for Railway Information System, Safdarjung Railway Station, New Delhi - 110021
4. North Eastern Circle, DRM Compound, Northern Railway, Hazratganj, Lucknow - 226001
5. Northeast Frontier Circle, 12 Strand Road, Multistoreyed Building of Eastern Railway, Kolkata - 700001
6. Southern Circle, 7 Seshadri Road, Gandhi Nagar, Bangalore - 560009
7. South Central Circle, Opp. Rail Nilayam, Sarojini Devi Road, Secunderabad - 500 071
8. South Eastern Circle, 14 Strand Road, Multistoreyed Building of Eastern Railway, Kolkata-700001
9. Western Circle, 2nd Floor, Churchgate Station Building Annexe, Maharishi Karve Road, Mumbai-400020.

(E)

Railway PSUs & Others:

1. The Managing Director, RITES LTD, RITES Bhawan, Plot No.1, Sect.29, Gurgaon (Haryana) - 122001
2. The Managing Director, IRCON, Palika Bhawan, Sector-XIII, R.K. Puram, New Delhi - 110066
3. The Chairman & Managing Director, Konkan Railway Corporation Ltd., Belapur Bhavan, Plot No. 6, Sector-II CBD Belapur, Navi Mumbai - 400 614
4. The Managing Director, Rail Vikas Nigam Ltd., 1st floor, August Kranti Bhawan, Bhikaji Coma Place, Africa Road, R.K. Puram, New Delhi - 110 016
5. The Managing Director, DFCCIL, 5th Floor, Pragati Maidan, Metro Station Building Complex New Delhi - 110001
6. The General Manager, Delhi Metro Rail Corporation Ltd., NBCC Place, Bishma Pitamah Marg, Pragati Vihar, New Delhi - 110003


(Mahendra Pratap Singh) 27-07-17
Director/B&S/CB-I
For ED/structures/RDSO

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

**INDIAN RAILWAY STANDARD CODE OF PRACTICE
FOR PLAIN, REINFORCED AND PRESTRESSED CONCRETE
FOR GENERAL BRIDGE CONSTRUCTION
(CONCRETE BRIDGE CODE)**

FIRST ADOPTED- 1936
FIRST REVISION-1962
SECOND REVISION -1997
REPRINT-SEPTEMBER-2014

ADDENDUM & CORRIGENDUM SLIP No. 6 DATED - 27.07.2017

Existing Clause 7.1.5 to be modified as under:-

7.1.5 Corrosion resistance measures— In order to ensure adequate resistance against corrosion for reinforcement bars, following measures may be taken depending upon the environmental conditions:

- a) In Severe and Extreme Environments, application of cement slurry coating after removal of rust and other loose material from the surface of the reinforcement bar will generally be sufficient.
- b) In **Extreme Cases**, say up to 30 Km from Coastal Areas and in unavoidable circumstances, Stainless Steel Reinforcement Bars may be used. Properties of stainless steel reinforcement shall not be inferior to the carbon steel reinforcement of corresponding strength class.

Regarding Stainless Steel Reinforcement, Indian Standard Code "IS 16651: 2017 - High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement – Specification" to be referred.

LUCKNOW
Dated: 27.07.2017

BY ORDER:

27.07.17
(Kailash Singh)
Executive Director/Structures
B&S Directorate R.D.S.O.