

SOUTHERN RAILWAY

Head Quarters Office,  
Vigilance Branch,  
7<sup>th</sup> Floor, CN Office Complex,  
Egmore, Chennai- 600 008  
Dated: 23.01.2026

No. VO/E/Sys. Imp

PCE/SR  
CAO/CN/MS  
✓ CAO/CN/ERS

*For circulation to  
all concerned*

*2.2.26*

Sub: A&C dlip no.1 to Report No. BS-41 R1 on "Guideline for integrity testing of Piles" – Circulation of RDSO instructions along with enclosures.

Ref: RDSO letter No. CBS/DWF dated 08.01.2026.

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A letter has been received from RDSO on the subject cited above. A copy of the same is enclosed herewith for kind information and necessary action.

In this connection, it is informed that A&C Slip No. 1 to Report No. BS-41 R1 titled "Guidelines for Integrity Testing of Piles", issued by RDSO, contains revisions to Para 5.5.8 and Para 7.7. The same is enclosed for reference and compliance.

Further, a new Para No. 7.8 titled "**System Improvement Instructions**" has also been incorporated in Report No. BS-41 R1.

Accordingly, it is requested that the above RDSO instructions of conducting **CHUM Test** in 100% Piles may be included in all new tender cases. A new item may be incorporated in ongoing works and other System Improvement Instructions mentioned as Para 7.8 may be placed in tender document as special conditions in all new cases.

[ Serious Irregularities observed in Execution of Piles by Vigilance, Railway Board, CVC also insisted to monitor the quality of Pile work. The above System Improvements may be ensured to follow in all field units. ]

Encl: As above.

*Dy C&P&D*

*Pl circulate*

*02/02/26*

*(S. MAYILERI)*  
Dy CVO/Engineering  
For SDGM & CVO

विनय कृष्ण पांडेय  
Vinay Krishna Pandey  
कार्यकारी निदेशक/पु0एवंस0-II  
Executive Director/B&S-II



भारत सरकार - रेल मंत्रालय  
अनुसन्धान अधिकृत्य और मानक संगठन  
लखनऊ-226011  
Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow- 226011  
Phone / Fax : 0522-2465704  
Email : edbns2rds@gmail.com

पत्रांक सं: CBS/DWF

दिनांक: 08.01.2026

**Principal Chief Engineers:**

- |                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| 1. Central Railway, Mumbai CST - 400 001                    | 9. North Western Railway, Jaipur - 302 001                      |
| 2. Eastern Railway, Fairlie Place, Kolkata - 700 001        | 10. Southern Railway, Park Town, Chennai - 600 003              |
| 3. East Central Railway, Hazipur - 844 101                  | 11. South Central Railway, Rail Nilayam, Secunderabad - 500 371 |
| 4. East Coast Railway, Bhubaneswar - 751 016                | 12. South East Central Railway, Bilaspur - 495 004              |
| 5. Northern Railway, Baroda House, New Delhi - 110 001      | 13. South Eastern Railway, Garden Reach, Kolkata - 700 043      |
| 6. North Central Railway, Allahabad - 211 001               | 14. South West Railway, Hubli - 580 023                         |
| 7. North Eastern Railway, Gorakhpur - 273 001               | 15. Western Railway, Mumbai - 400 020                           |
| 8. Northeast Frontier Railway, Maligaon, Guwahati - 781 061 | 16. West Central Railway, Jabalpur - 482 001                    |
|                                                             | 17. Metro Railway, Jawaharlal Nehru Road, Kolkata - 700 071     |

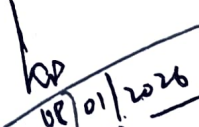
विषय: A&C slip no. 1 to Report No. BS-41 R1 on "Guideline for integrity testing of piles".

संदर्भ: Railway Board letter No.2025/2/CE-III/BR/BS reports correction slip (E-3496226) dated 18.12.2025

On above subject, A&C slip no. 1 to Report No. BS-41 R1 on "Guideline for integrity testing of piles", Para 5.5.8 & Para 7.7, as duly approved by Railway Board has been modified vide reference above is enclosed for information and necessary action please.

In addition, a new Para no. 7.8 "System Improvement Instructions", has been incorporated in Report No. BS-41 R1

संलग्नक: As above

  
(Vinay Krishna Pandey)  
कार्यकारी निदेशक/पुल एवं संरचना-II  
Executive Director/B&S-II

**प्रतिलिपि:**

- (A) 1. Additional Member (Civil Engg.) Railway Board, Rail Bhawan, New Delhi - 110001  
2. Additional Member (Works) Railway Board, Rail Bhawan, New Delhi - 110001  
3. Principal Executive Director/Bridges, Railway Board, Rail Bhawan, New Delhi - 110001  
4. Director General, Indian Railway Institute of Civil Engg., Pune - 411 001  
5. Executive Director Civil Engg./B&S, Railway Board, Rail Bhawan, Room No.140A, New Delhi - 110001  
6. General Manager (C), N. F. Railway, Maligaon, Guwahati - 781001  
7. The Director General, National Academy of Indian Railways, Vadodara - 390004

**(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, Mahendrugat, 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-I, II & III, Northeast Frontier Railway, Maligaon, Guwahati - 781011
18. 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
17. Metro Railway, Kolkata - 700071



**(D) Commissioner of Railway Safety:**

1. Chief Commissioner of Railway Safety, N.E. Railway Office Compound, Ashok Marg, Lucknow - 226002
2. Central Circle, 2nd Floor, Churchgate Station Building Mumbai - 400020
3. Eastern Circle, Multistoreyed Building of Eastern Railway, 12th Floor, Strand Road, Kolkata - 700001
4. Northern Circle, near Centre for Railway Information System, Safdarjung Railway Station, New Delhi - 110021
5. North Eastern Circle, DRM Compound, Northern Railway, Hazratganj, Lucknow - 226001
6. Northeast Frontier Circle, 12 Strand Road, Multistoreyed Building of Eastern Railway, Kolkata - 700001
7. Southern Circle, 7 Seshadri Road, Gandhi Nagar, Bangalore - 560009
8. South Central Circle, Opp. Rail Nilayam, Sarojini Devi Road, Secunderabad - 500 071
9. South Eastern Circle, 14 Strand Road, Multistoreyed Building of Eastern Railway, Kolkata-700001
10. 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. Vice Chairman, Rail Land Development Authority, Unit No.702-B, 7th Floor, Konnectus Tower-2, DMRC Building, Ajmeri Gate, Delhi-110002
3. The Managing Director, IRCON, Palika Bhawan, Sector-XIII, R.K. Puram, New Delhi - 110066
4. The Chairman & Managing Director, Konkan Railway Corporation Ltd., Belapur Bhawan, Plot No. 6, Sector-II CBD Belapur, Navi Mumbai - 400 614
5. The Managing Director, Rail Vikas Nigam Ltd., 1st floor, August Kranti Bhawan, Bhikaji Cama Place, Africa Road, R.K. Puram, New Delhi - 110 016
6. The Managing Director, DFCCIL, 5th Floor, Pragati Maidan, Metro Station Building Complex New Delhi - 110001
7. The Managing Director, Delhi Metro Rail Corporation Ltd., NBCC Place, Bhishma Pitamah Marg, Pragati Vihar, New Delhi - 110003

## Guideline for Integrity Testing of Piles

(Report No. BS: 41 R1)

ISSUED: November, 2023

### ADDENDUM & CORRIGENDUM SLIP No. 1 Dated 08.01.2026

#### 1. Modify the existing Para 5.5.8 as under:

**5.5.8:** Cross Hole Ultrasonic Method (CHUM), tests shall be performed on 100% of piles. Accordingly, Access tubes shall be installed in 100% of the piles.

#### 2. Modify the existing Para 7.7 as under:

**7.7:** Cross Hole Ultrasonic Method (CHUM), tests shall be performed on 100% of piles. Accordingly, Access tubes shall be installed in 100% of the piles.

#### 3. Add a new Para 7.8 as below:

##### 7.8 System Improvement Instructions

- a) Provision of permanent liner/casing with bored piles, if any, should not be left to the discretion of field engineers, it should be incorporated in drawing itself.
- b) A Method Statement should be prepared by the contractor for the pile foundation work detailing the sequence of operations, tools and equipment, roles and responsibilities of contractor's personnel, risk assessment etc. and approved by CPM/Dy CE before start of work. The method statement of **integrity testing** should also include equipment, specialized technical person and witnessing of Railway officials.
- c) The record of piling work should be maintained through pour card and stored in cloud-based storage for posterity. The report of **integrity testing** should be in specified format, maintained log wise and stored as permanent record.
- d) It is necessary that field engineers (XEN/AXEN & SSE/SE/JE) engaged in piling work should be imparted necessary training in execution of pile foundation including **Pile Integrity Test**. The contractor should deploy skilled, trained and experienced manpower for execution and supervision of piling work.

LUCKNOW

Dated: 08.01.2026

BY ORDER

*hs*  
08/01/2026

(विनय कृष्ण पांडेय)

(Vinay Krishna Pandey)

कार्यकारी निदेशक /पुल एवं संरचना-II

Executive Director/B&S-II