No:SV.FIAT Spring   Dated:- 05.01.2017

Chief Mechanical Engineer

1. Northern Railway, Baroda House, New Delhi-110 001
2. Western Railway, Churchgate, Mumbai-400020
3. Central Railway, CSTM, Mumbai - 400 001
4. Eastern Railway, Fairly Place, Kolkata- 700 001
5. Southern Railway, Park Town, Chennai - 600 003
6. North Frontier Railway, Maligaon, Guwahati- 781 001
7. North Eastern Railway, Gorakhpur-273 001
8. South Eastern Railway, Garden Reach, Kolkata-700 043
9. South Central Railway, Secunderabad-500 071
10. West Central Railway, Jabalpur-482 001
11. South East Central Railway, Bilaspur-495 004
12. South Western Railway, Hubli-580023
13. East Coast Railway, Railway Complex, Bhubaneshwar-751 023
14. East Central Railway, Hajipur-844 101
15. North Western Railway, Jaipur-302 006
16. North Central Railway, Allahabad-211 001

Sub: Corrosion of Flexi-coil springs in FIAT Bogies-Reg.

Ref.:This office letter of even no. dated 14.03.2016.

The analysis of FIAT bogie spring failures has revealed that the failure starts from the corroded portion of the spring. The corrosion in the spring and other parts of bogie and bogie frame itself is accelerated due to the spillage of waste from the toilet system. This was established in the study of SAG committee set up for study of corrosion in FIAT bogies . One of the remedial measures suggested by the committee was to increase the length of discharge pipe of toilet and wash basin to a level of 225 mm from rail level. A clearance of 225 mm be maintained between the pipe and rail level. This has however not been implemented as yet.

It is requested that this may be implemented to avoid accelerated corrosion in bogie components including Springs.

05-1-17
(Indrajit Singh)
Executive Director/Carriage

C- AMME - for kind inf.

o/c