

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)

No.2000/M(C)/141/8

New Delhi dated, 18.10.2017

The Principal Chief Mechanical Engineers,  
All Zonal Railways.

Sub : Bio-toilet coaches – flushing & ventilation

The issue of foul smell in bio-toilet provided coaches has been under discussion. It is observed that foul smell is due to inadequate flushing and residual faecal matter. Therefore, improvement in flushing and ventilation both are required to take care of the problem.

2. It is, therefore, decided that to ensure:

a) Adequate quantity of water for flushing:

- i) In ICF coaches, flush cock to be immediately changed so as to provide softer flush valve, and there should be no choke in the flushing pipe.
- ii) For LHB coaches in which CDTs system was installed, CDTs panel should be made operational for the flushing function.

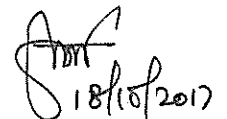
b) Ensure adequate ventilation through modifications, as under, in all the coaches in the next six months in all coaches undergoing POH, as well as in the depots:

- i) Modified ventilation system instructions issued by RDSO for both ICF and LHB coaches.
- ii) In all ICF coaches, louvers should be provided on the doors towards the bottom portion with louvers facing downwards.
- iii) In LHB coaches, the split window in toilets should be maintained properly by keeping adequate spares so that the top portion of the window remains openable and can be kept open condition.

c) Zonal Railways to ensure that dustbins are available in all the bio-toilets in the next 15 days.


d) All P-traps must be replaced with S-traps.

3. Action plan of the railway may be communicated to Board for information of MRS early.



(Dimpy Garg)  
EDME(Coaching)  
Railway Board

Copy- CME/RCF, MCF, ICF  
For action on relevant paras.

 Adv. EnHM  
- EDME/W, DME/Dev.  
Anurag 92  
18/10/17