GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

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New Delhi: 18-11-2011

General Manager,
- Integral Coach Factory, Chennai
- Rail Coach Factory, Kapurthala
- Central Railway, Mumbai
- North Central Railway, Allahabad
- Northern Railway, New Delhi
- North Eastern Railway, Gorakhpur
- Northeast Frontier, Guwahati
- South East Central Railway, Bilaspur
- Southern Railway, Chennai
- Western Railway, Mumbai
- North Western Railway, Jaipur
- West Central Railway, Jabalpur

Director General, RDSO, Lucknow.


Board (MM) has approved the following action plan for further induction of IR-DRDO bio toilets in coaches:

(i) Fitment of 2400 bio-toilets in new coaches (1200 each by RCF and ICF during 2012-13) in two phases (600 each in first phase and 600 each in second phase after review of performance in first phase).

(ii) RCF to turn out 2 rakes of AC + Non AC mixed LHB trains with bio toilets to IR-DRDO technology to be manufactured in the last quarter of 2011-12/first quarter of 2012-13 in addition to 1200 nos. of bio toilets mentioned at (i).

(iii) RCF to finalize design of ball/slider/flapper valve for bio toilets having provision to operate preferably from inside of coach in case of choking or side of coach (in case inside is not possible in some design).

(iv) ICF to turn out 100 toilets more with PLC and pressurized flushing (1100 without PLC). ICF to monitor performance of these closely and furnish quarterly reports.

(v) Allotment of new coaches with bio toilets from ICF and RCF be made to CR, NCR, NR, NE, NF, SECR, SR and WR as these Railways will be having some experience of bio toilets by the end of 2011-12.

(vi) RCF to build prototype for provision of bio toilets during retro fitment (in coaches being turned to out without bio-toilets) and JWG to review the design. RCF to turn out all coaches w.e.f. Feb’ 2012 with dual mounting arrangement only after review by JWG and approval of RDSO.

(vii) ICF & RCF to create bacteria generation facility for IR-DRDO bio toilets within powers of GMs.

(viii) Fitment of 100 bio-toilets at CRWS/BPL in the coaches from NCR, NR, WR, CR, NFR and NWR, standard bio-toilet tanks will have to be arranged by CRWS/BPL from RCF.

(ix) RCF to supply 100 tanks to CRWS/BPL in first phase through RCF tender and consignee as CRWS/BPL.
(x) NCR to procure one suitable moveable evacuation system for GWL for prototype trials.

(xi) RDSO may call-off undergoing trials of bio-toilets (when deemed fit) provided by various suppliers free of cost to Railways.

2.0 Zonal Railways may nominate a Mechanical SAG officer for coordinating this effort. Zonal Railways may contact ED(Carriage)/RDSO, CDE/RCF, CDE/ICF and ED/IR-CAMTECH/GWL for any clarifications/detailed information in the matter.

This is for information and necessary action please.

(Sanjeev Kishore)
Executive Director Mechanical Engg. (Dev)

Copy for information and necessary action to:

- CDE/RCF/Kapurthala, CDE/ICF/Chennai, ED(Carriage)/RDSO, CWM/CRWS/BPL, ED/IR-CAMTECH/GWL, CRSE/Chg./NR, CRSE/NCR/ALD, CRSE/SECR

- Chief Mechanical Engineer - ICF/Chennai, RCF/Kapurthala, CR/Mumbai, NCR/Allahabad, NR/New Delhi, NER/Gorakhpur, NFR/Guwahati, SECR/Bilaspur, SR/Chennai, WR/Mumbai, NWR/Jaipur, WCR/Jabalpur