

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No. 97 /M(C)/137/1 Vol(xi)

New Delhi, dt. 29.06.2017

**Chief Mechanical Engineers
All Indian Railways**

Sub: Completing the work of Fitment of Balanced Draft Gear in Rajdhani / Shatabdi Express Trains.

In order to mitigate the problem of jerks in trains, it had been decided to retrofit Balanced Draft Gear in all LHB coaches that have been turned out by the PUs with single pack / floating plate draft gear. Adequate coverage has already been made under RSP for the provision of Balanced Draft Gear in these LHB coaches.

However, it is seen that several trains, including Premium trains such as Rajdhani / Shatabdi, are still running with a mix of coaches fitted with single plate / floating plate draft gear and Balanced Draft Gear in the same rake, resulting in the jerks not getting reduced significantly. Vide Board's letter No 97/M(C)/137/1 Vol (xi) dated 12.5.2017 Railways have already been asked to ensure that coaches having single plate / floating plate draft gear are not mixed with coaches having balanced draft gear in the same rake, as far as possible.

The Rajdhani / Shatabdi trains have to be upgraded to the Gold standard within a period of 3 months. Therefore, Zonal Railways may ensure that all Rajdhani and Shatabdi trains are retrofitted with Balanced Draft Gear on priority,

Accordingly, please review the progress made in this regard to take forward the work of fitment of BDG in the CBC of Rajdhani and Shatabdi trains.

After this review, the Railways shall furnish the following information:

S.No	Number of LHB coaches originally turned out with single pack / floating plate draft gear.		Number of LHB coaches fitted with Balanced Draft Gear		Number of coaches yet to be fitted with Balanced Draft Gear		Target Date for completion	
	Rajdhani & Shatabdi coaches	Other	Rajdhani & Shatabdi coaches	Other	Rajdhani & Shatabdi coaches	Other	Rajdhani & Shatabdi coaches	Other

(Brijesh Dixit)
Director Mech. Engg.(Chg.)
Railway Board

Copy to CME/RCF: Reference to Board's letter dated 24.5.2017, RCF was advised to carry out the centralized procurement of 500 coach sets of CBC with Balanced Draft gear (RSP Item No. 1245/ 17-18) and distribute to the ZRs that were having LHB coaches with single pack/ floating plate draft gear. RCF may expedite procurement and distribution of the same to the Zonal Railways, if not done so already. .

8/2/17
9/12

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No. 97/M(C)/137/1 Vol. XI

New Delhi, dt. 12.05.2017

The Chief Mechanical Engineers,
All Indian Railways.

Sub: Retrofitment of Balanced Draft Gear in LHB Coaches.

Ref: Board's letter of even no. dtd. 05.11.12.


In order to improve the jerk performance of LHB coaches, sanctions under RSP for the provision of Balanced Draft Gear in 1350 LHB coaches fitted with Single Pack / Floating Plate Draft Gear had been communicated to the Railways vide PB Item Nos. 675/17-18, 694/17-18, 700/17-18, 728/17-18 & 748/17-18. Further, sanction for 500 coaches has been obtained under RSP 17-18, which shall be distributed to the Railways shortly.

While, the Railways are providing Balanced Draft Gear in the LHB coaches, it also needs to be ensured that, as far as possible, the coaches fitted with Single Pack / Floating Plate Draft Gear are not mixed with coaches fitted with Balanced Draft Gear in the same rake. This is essential in order to obtain better jerk performance of the rake.

While travelling by Train No.12301 HWH-NDLS Rajdhani Express on 11.5.17, Member Staff, Railway Board, observed that while the longitudinal jerks were much lesser, but they still took place. Subsequent investigation revealed that, though the coach occupied by Member Staff was fitted with Balanced Draft Gear, there were a total of 9 coaches in the rake that were fitted with Single Pack / Floating Plate Draft Gear.

Board (MRS) has desired that the purity of the rakes, i.e. all the coaches of a particular rake should have Balanced Draft Gear, needs to be ensured, since only then the real benefits will accrue in terms of reduced longitudinal jerks. This had already been advised to the Railways vide Board's letter at ref above.

Zonal Railways are requested to ensure compliance of the above and ensure that the purity of the rakes is maintained, as far as possible. Also, the work of providing Balanced Draft Gear in the remaining LHB coaches still fitted with Single Pack / Floating Plate Draft Gear should be completed at the earliest.


(Brijesh Dixit)
Director Mech. Engg. (Chg.)
Railway Board

Copy to :

- (i) CMEs/ ICF, RCFK, MCF.
- (ii) ED/Carriage/RDSO.

4/1

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रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

2017/M(C)/142/4

New Delhi, dtd. 24.05.2017

The General Manager (M),
All Indian Railways.
Rail Coach Factory, Kapurthala.

Sub: Distribution of work of retrofitment of improved design CBC with balanced draft gears in 500 CBC fitted single pack draft gear LHB coaches (1000 couplers) under RSP 17-18.

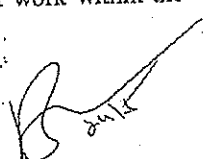
Vide Pink Book item no, 1245/17-18, under Heads of Allocation, CAP & EBR(IRFC), retrofitment of improved design CBC with balanced draft gears in 500 CBC fitted single pack draft gear LHB coaches (1000 couplers) was sanctioned.

RCFK shall carry out centralized procurement for the entire quantity of improved design CBC with balanced draft gears in 500 CBC fitted single pack draft gear LHB coaches (1000 couplers).

Zonal Railways are advised to submit their requirement of improved design CBC with balanced draft gears in 500 CBC fitted single pack draft gear LHB coaches to RCFK. Zonal Railways then shall retrofit these in CBC fitted LHB coaches.

RCFK is advised to procure improved design CBC with balanced draft gears against above-mentioned RSP work and distribute to zonal railways as per their demand within the existing sanction.

It is further advised to intimate target dates for completion of subject work within the current financial year alongwith milestones.


(Brijesh Dixit)
Director Mech. Engg.(Chg.)
Railway Board.