

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

No.2015/M(C)/137/1 Vol II

New Delhi, dated. 21.06.2018

**The Principal Chief Mechanical Engineers,
All Indian Railways.**


Sub: Use of upgraded vinyl coated upholstery fabric (rexine material) for seats and berths during refurbishment of ICF type coaches.

Ref: (i) Board's letter No. 2015/M(C)/137/1 dated. 19.12.2017.

(ii) Board's letter No. 2017/M(C)/142/4 Pt. IV dated. 06.06.2018.

Vide letter dated 19.12.17 at ref (i) above, ZRs were advised to follow ICF specifications ICF/MD/Spec.-327 Rev. 01, ICF/MD/Spec.-167 Rev. 04 & ICF/MD/Spec.-326 Rev. 02 for refurbishment of ICF type coaches. As per ICF specifications, composition leather is to be used for seats and berths.

In this regard, ZRs are hereby permitted to use vinyl coated upholstery fabric (rexine material) for seats / berths during refurbishment of ICF type coaches as per latest RDSO specification. This would be applicable for all refurbishment work undertaken by Zonal Railways, including the refurbishment allotted to Zonal Railway vide letter under reference (ii).


21-6-18

(Navaid Talib)
Director Mech. Engg.(Chg.)
Railway Board.

Copy to:

- 1. ED (Carriage)/RDSO:** RDSO is advised to circulate latest specification of vinyl coated upholstery fabric (rexine material) for seats / berths in ICF type coaches to ZRs.
- 2. Principal Chief Mechanical Engineers:** ICF / MCF / RCF.

भारत सरकार **GOVERNMENT OF INDIA**
रेल मंत्रालय **MINISTRY OF RAILWAYS**
रेलवे बोर्ड (Railway Board)

No.2015/M(C)/137/1

New Delhi dated 19.12.2017

**Principia Chief Mechanical Engineers,
All Indian Railways**

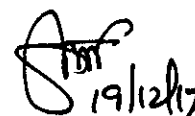
**Integral Coach Factory,
Chennai**

**Sub: Schedule of Technical requirement for Refurbishing Model
rake coaches.**

**Ref: (i) Board's letter No. 2017/M(C)/142/4 dated 04.9.17
(ii) CDE/ICF letter No. MD/D/WC/15 dated 06.10.2017**

Vide above reference (i), Board had advised ICF to issue a consolidated specification for the refurbishment of ICF coaches and toilets and advise the same to the Zonal Railways. ICF vide ref (ii) has issued schedule of Technical requirement for coaches no. ICF/MD/Spec.-327 Rev.01, schedule of Technical requirements for FRP panels No. ICF/MD/Spec.-167 Rev.04 and specification for FRP modular Toilet No. ICF/MD/Spec.-326 Rev.02

In this connection, Zonal Railways are advised that they should follow the specification issued by ICF for the refurbishment of coaches, either partially or fully, depending on the scope of work, whether carried out under any RSP or otherwise, excluding the quantity of 6,000 coaches being tendered by ICF & COFMOW (3,000 coaches each to be operated in the 9 identified Workshops). Further, the Zonal Railways should also follow the consolidated specification issued by ICF for undertaking any toilet upgradation work henceforth for which PO / work order has not been placed as yet.


19/12/17

(Dimpy Garg)
Exe. Director Mech. Engg (Chg)
Railway Board

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

No. 2017/M(C)/142/4 Pt. IV

New Delhi, dated: 6 .06.2018

**The Principal Chief Mechanical Engineers,
All Zonal Railways.
ICF/Chennai.
COFMOW.**

Sub: Redistribution of and reduction in scope of RSP work reg. Refurbishment of 6,000 ICF type coaches (P. B. Item No. 1241/17-18).

**Ref: (i) Board's letter No. 2010/M(C)/137/2 dtd 22.05.17.
(ii) Board's letter No. 2017/M(C)/142/4 (Pt. II) dtd 23.11.17.**

A sanction of the work 'Complete Refurbishment/retrofitment with modern interiors and amenities in 6,000 ICF design conventional passenger coaches @ 30 lakhs per coach' was taken under Bulk RSP vide P.B. No.1241/17-18 (repeated as 678/18-19). The work was distributed between ICF and COFMOW for 3,000 coaches each for the purpose of tender finalization vide Board's letters ref above.

2. A review has been done for this RSP work at Railway Board level and Board (MRS) has approved reduction in the scope and cost of this RSP from Rs.30 lakhs to Rs.15 lakhs. The work will be carried out on ICF type coaches at the time of POH. The RSP amount of Rs.15 lakhs is over and above the normal POH cost of coach. The additional items to be attended during POH under this work have been identified as under:-

- (i) FRP modular toilet (Coach set) on LHB pattern.
- (ii) Seat and berths (Complete Set)
- (iii) PVC flooring (Full coach)
- (iv) Wall panel (full coach) with LP Sheet / other suitable material.
- (v) NAFTC roof as per requirement in case not provided.
- (vi) Floor Board to LHB specification.
- (vii) Electrical items (LED lights, charging sockets, berth indicators, etc.)
- (viii) Miscellaneous passenger interface items like soap dispenser, air fresheners, photo frames, etc.

3. Refurbishment will be carried out on coaches in the age group of 6-18 years at the time of POH. Coaches taken up for refurbishment should be such that these will not be sent for MLR in the next 4 years or such coaches which have completed at least 4 years of service after MLR.

4. The complete processing for this work will be carried out at Zonal Railway level. The work allotted to COFMOW and ICF of 3,000 coaches each for processing and awarding of tenders, vide letters ref above, stands withdrawn.

5. The distribution of RSP work, is enclosed at Annexure. Zonal Railways must ensure timely finalization of tenders and early execution of work in workshops during POH. Nominated POH workshops will carry out the works for Zonal Railway which do not have POH workshop of their own. In such cases, the RSP of non-POH workshop zones will be operated at nominated POH shop.

6. The detailed timeline for execution of work may be submitted to Railway Board by 20th June, 2018.

DA: Annexure (1 page)



(Navaid Talib)
Director Mech. Engg.(Chg.)
Railway Board.

Copy to:

- (i) AM/PU/RB: for kind information.
- (ii) EDME/W/RB, EDF(S)/RB.

Annexure to Board's letter No. 2017/M(C)/142/4 Pt. IV dtd 6.06.18

ZR	ICF design coaches between (6-18 years)
CR	450
ER	440
ECR	480
ECoR	290
NR	550
NCR	140
NER	260
NFR	340
NWR	330
SR	700
SCR	490
SER	380
SECR	130
SWR	340
WR	520
WCR	160
IR	6000