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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: 16.09.2019

Principal Chief Mechanical Engineers,
All Indian Railways.
&
ICF, MCF, RCF.

ED/Carriage/RDSO.

Sub: Cushioning material for seats and berths for IR coaches.

Ref: ED (Stds.) Carriage/RDSO's letter No. MC/CB/Cushion/PU foam Dated 16.08.19.

Indian Railways has been exploring various options for cushioning material to international standards for seats and berths to be used in coaches. Consequent to the decisions taken PCME's conference held at Secunderabad in April, 2019 and PCME's meeting on High Priority Items held on 28-29th August, 2019 at Delhi along with various references from Zonal railways and Production Units in this matter it is advised that-

- (i) Production Units are advised to continue with provision of silicon Foam cushion in maximum of 30% of coaches manufactured by the Production units as per availability.
- (ii) For remaining coaches to be manufactured Production Units are being advised to use PU foam as cushion material complying to the FST properties as per the EN 45545 part -2 HL-3 with fire barrier cloth compliant to the EN-45545, HL-3. Further in this respect, MCF/RBL is being nominated to define physical and performance related properties and accordingly to make complete specifications with development and approval of vendors.
- (iii) All Zonal Railways are advised to use PU foam as cushion material during refurbishment of ICF coaches and during POH (SS-3) schedule of LHB Coaches in place of DTBPPB as per FST properties confirming to the EN 45545 part -2 HL-3 with fire barrier cloth compliant to the EN-45545, HL-3 and complying to the physical and performance related properties and accordingly to the specifications as defined by MCF/RBL.

This is being issued with the approval of competent authority.

For further necessary action please.

16/09/19.
(Suman Kumar Tanti)
Dir. Mech. Engg. (Chg.)
Railway Board