

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

2006/M(C)/137/20 Vol VIII part (II)

New Delhi, dtd. 16.06.2017

**The Chief Mechanical Engineers,
RCFK, ICF.
All Indian Railways.**

ED/Carriage/RDSO/L ucknow.

Sub: Use of NAFTC and GFRE sheets as roof ceiling material/ paneling purpose in coaches.

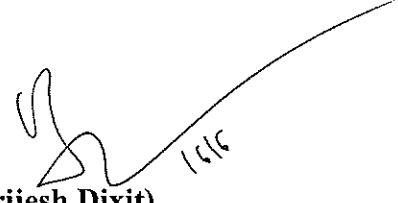
Ref: (i) ED/Carriage/RDSO's letter No. MC/CB/C/NAFTC dtd 09.01.17.

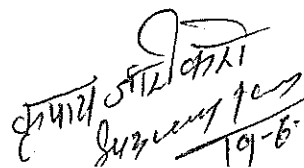
(ii) ED/Carriage/RDSO's letter No. MC/CB/C/NAFTC dtd 16.11.16.

RDSO, vide letter dtd 09.01.17 at ref (i) had submitted the comparative features of NFTC, NAFTC & GFRE sheets. The matter has been deliberated in Board and it has been decided that:

- (i) NAFTC sheets shall be used as roof ceiling in all types of coaches, wherever NFTC is presently being used, in view of their superior properties and cost effectiveness. To this end, the procurement of NFTC should be discontinued by ZRs and PUs and NAFTC procured instead.
- (ii) To facilitate the procurement of NAFTC sheets, the spec. No. RDSO/2016/CG-02 as proposed vide RDSO's letter dtd 16.11.16 at ref above (ii) is hereby approved.
- (iii) Regarding GFRE sheet usage in roof ceiling, the ongoing trials shall be continued for fitment in coaches being turned out by PUs, particularly in GS and SLR coaches, in order to assess its workability and other performance in the field. A final decision for use of these sheets in roof furnishing of coaches shall be taken after completion of the ongoing trials and field performance for at least one year.
- (iv) RDSO shall evaluate the feasibility of using GFRE sheets for paneling purpose in coaches in place of LP sheets, including their Anti-Graffiti performance and cost effectiveness. The comparison can be made with a few other similar materials also which show good performance w.r.t. fading, Anti-Graffiti properties as well as strength, for the purpose of paneling of coaches.

This is issued with the approval of Board (MRS).


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


S. K. Singh
19-6-2017

o/c.