 Bharat Sarkar Government of India  
Rail Ministry of Railways  
Railway Board

No.2012/M(N)/951/24  
New Delhi, dated 23/04/2018

Principal Chief Mechanical Engineers  
All Indian Railways except SCR

Sub: Innovations and system improvements in Indian Railways – Gadget for attention of bottom side body cut in BOXN wagon

SCR through MCDO for the month of March, 2018 has informed about the following innovations/system improvements on the freight side:

- **Gadget for attention of bottom side body cut in BOXN wagon**

The same is enclosed for your kind information.

DA: As above  
(Vivek Mohan)  
Dir. Mech. Engg (Frt.)  
Railway Board

Copy to: PCME/SCR- for kind information
RYPS has installed LEGRIS Parker's make Overhead pipeline in the Air brake equipment service centre and DV overhauling with the down drops as per lay out of the work benches and test benches which has the following advantages

(a) Low roughness coefficient of Aluminium pipes.
(b) Optimization of flow and pressure losses
(c) Instant connection and disconnection can be done
(d) Optimization in cleaning and maintenance of operations
(e) Long lasting performance due to corrosion free.
(f) Safety in operation.
(g) Fully dismountable and reusable

5.0 INNOVATIONS:

UNDER CARRIAGE & WAGON:

1. Gadget for attention of bottom side body cut in BOXN wagon: RDM depot has developed gadget for attention of bottom side body cut in BOXN wagon on train in yard. It will reduce detachment of wagon on account of bottom side body cut and decrease the material consumption.

Existing system:
- Wagon needs to be detached and placed in sick line. On an average wagon is held up for 1-2 days.
- Higher consumption of MS sheets and gas.
- Shunting involved - delays train release.

Advantages with this gadget:
- Can be attended on train in yard.
- Less time for attention