GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No.: 2015/M (N)/951/47 **New Delhi, dated**: 29/10/2015

The Director General, RDSO

The Chief Mechanical Engineer
South Central Railway, Secunderabad
North Western Railway, Jaipur

Sub : Task Force for identifying parameters for condition monitoring of freight stock.

Indian Railways is poised to initiate the era of predictive maintenance of rolling stock through condition monitoring (both onboard and on site monitoring) of rolling stock.

In order that such a regime is effective for executive decisions related to rolling stock maintenance, it is necessary that critical and measurable parameters of rolling stock be clearly identified and incorporated into such systems right from the planning stage itself.

With effective implementation of preventive maintenance regimes, based on real time monitoring of critical technical parameters, the objective of zero accident and zero rolling stock safety risk can be strived for achievement.

Keeping the above broad objectives in view, a task force consisting of the following is formed:

1. ED (Wagon), RDSO : Convenor
2. CRSE (Freight)/SCR
3. CRSE/NWR
4. Director Research (Mech)/RDSO : Secretary

The terms and reference of the task force are:

1. To list down major failures modes of freight stock and identify measurable parameters for each mode that can be monitored (on board and/or off site) to predict an approaching failure.
2. To identify the requirements on the rolling stock itself to support a regime of on board and off site condition monitoring of the rolling stock.

3. To prepare exception report formats that condition monitoring systems shall be expected to generate for executive decisions regarding corrective/preventive maintenance inputs.

The task force may co-opt officers/supervisors from RDSO/CAMTECH/ZRs /Workshops to assist them.

The task force should submit it's report by 15th December 2015 so that the same can be put up to Board (MM).

(Ajay Nandan)
Exec. Dir. Mech. Engg. (Freight)
Railway Board

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1. **ED (Wagon)/RDSO, CRSE (Frt)/SCR, CRSE/NWR, Director Research (Mech)/RDSO**
2. **CMEs: All Zonal Railways –** They are requested to provide their inputs to the convener of the task force

29/10/15

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