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

No. 2018/Sig/18/6-Data logger/1

New Delhi, Dtd. 12<sup>th</sup> April, 2019

All PCSTEs  
Indian Railways

Sub:- SMS generation on failure/error state of EI.

Ref:- PCDO of NWR for the month of March 2019.

NWR in their monthly PCDO of March, 2019 has reported following innovation/system improvement:-

*"In EI system, provision exists that whenever system (A) goes in error state or fails, the EI works on another system (B), but no information is relayed to concerned maintenance staff about this incidence. Ajmer division has developed a SMS generation and exception reports system for above type of EI incidences by using system (A) and system (B) health bits with the help of fault logic of data logger. Whenever any system of EI fails, exception is generated in data logger and SMS alert is sent to concerned staff and officers which serves as remote monitoring of EI health & preventive action. This is provided at EI system, Westrace make at Faina station on Ajmer – Palanpur section of Ajmer division as a pilot."*

This innovation shall be useful in addition to above for the cases where one system is in the faulty condition and the maintenance staff is not aware of the same. Any attempt for changeover to stand-by system either due to fault or as a routine maintenance may lead to catastrophic condition.

Railways may like to adopt similar arrangement for generation of SMS alerts.

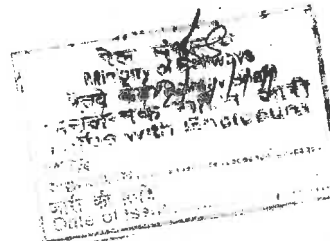
2-03  
12-4-19  
(Arvind Mital)

Principal Exec. Director (Signal)

Copy to:-

ED/Co-od./Sig, RDSO –

RDSO may develop standard protocol for all makes of EI and all vendors of datalogger.



o/c