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भारत सरकार - रेल मंत्रालय  
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लखनऊ - 226 011  
Government of India-Ministry of Railways  
**Research Designs & Standards Organisation**  
LUCKNOW - 226 011

**TECHNICAL CIRUCLAR NO. 13**

**Fax message**

No.No. EL/ 3.1.35 / 2  
**General Manager (Elect.)**  
Northern Railway,  
Baroda House,  
New Delhi-110 001

Dt 24.02.98

**Sub: Working of sanders on WAP5 locomotives**

It has been reported that on a few occasions WAP5 locomotives hauling Rajdhani Express trains on the New Delhi Howrah route have experienced wheel slipping, leading to stalling of the train in the Gurpa- Gujhandi Section of Eastern Railway where the gradients are very steep. It may be appreciated that WAP5 is a BO-BO locomotive having a low adhesive weight and, therefore, is more vulnerable to wheel slipping, specially in highly graded sections under bad adhesion conditions. Therefore, it is important that all the sanders in these locomotives are kept in working order all the time in order to enable these locomotives to negotiate the graded sections. Ghaziabad shed may be advised to pay special attention on this equipment.

(S. Swarup)  
for Director General/Elect.

Encl.: Nil

Copy to :-  
General Manager (Elect), Eastern Railway, Fairlie Place, Calcutta  
(Kind Attn: Sh.N.K. Sinha, Dy.CEE)  
**Fax No.033-2200446**

(S. Swarup)  
for Director General/Elect.

Encl:Nil