



# कोंकण रेलवे कॉर्पोरेशन लिमिटेड KONKAN RAILWAY CORPORATION LTD.

(भारत सरकार का उपक्रम) (A Government of India Undertaking)

कॉर्पोरेट पहचान संख्या (Corporate Identity Number): U35201MH1990GOI223738

CO/EL/L/2024-25/03/06

Date: 21.03.2025.

## LOCO OPERATION INSTRUCTION No. 04/2025

Sub: Procedure for Conducting Brake Feel Test & Brake Power Test.

Ref: NCR Letter no. NCR/EL/Loco/169/Operating instructions (Part-V).

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Brake feel test and Brake power tests are vital tests which are to be carried out by the crew without fail for ensuring safe running of trains.

The procedure of conducting the tests are given below:

### A. Brake Feel Test

1. To be done immediately after start at the station where the crew have taken over charge.
2. On attaining the speed of about 15 kmph, LP shall drop the BP pressure by 0.5kg/cm<sup>2</sup> through A-9 and release.
3. LP should feel the application of brake & speed should drop to about 10 kmph.

### B. Brake Power Test

1. To be done in the first Block section (or first opportunity)
2. Speed of the train should reach 60 to 70 kmph in case of coaching train & 40 to 50 kmph in case of Goods train.
3. LP shall drop BP pressure by 1 kg/cm<sup>2</sup> in Coaching train and loaded Goods train and 0.5 kg/cm<sup>2</sup> in case of Empty Goods train through A-9 and release after a small pause.
4. The speed of the train should drop 30 to 35 kmph in coaching train & 20 to 25 kmph in Goods train by the time BP pressure comes back to 5.0 kg/cm<sup>2</sup>.
5. The LP shall observe the effectiveness of Brake & Brake power of the train.
6. As the AFI needle comes to "0" or previous reading, normal traction shall be resumed.

### C. Duty of ALP during Brake feel & Brake power test:

1. ALP shall keep a watch & ensure that both the tests are done by LP and will remind him for the same, if required.
2. He will equally participate (carefully watch) in Brake Feel Test & Brake Power Test to assess the effectiveness of the braking system of the train, and confirm the same to LP.

21/03/25

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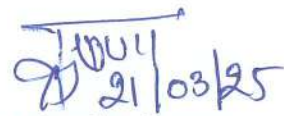
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Note:

1. Crew shall ensure observation of the signal aspects while performing the brake feel Brake Power Tests.
2. In case of up gradient in the first block section, it shall be carried out at the first opportunity to avoid stalling.

All the LPs and ALPs have to be counselled by CLIs about the procedure.

  
(Krishna Lambani)  
CPM/Electrical.

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