

# Module 08

## **Braking Distance**

# Braking Distance

- The distance travelled by a train after its brakes are applied is known as the **Braking Distance**.
- When normal or service brakes are applied (shutting off power and gradual application of brakes), the distance travelled is called **Service Braking Distance (SBD)**.
- When emergent brakes are applied (shutting off power and full application of brakes), the distance travelled is called **Emergency Braking Distance (EBD)**.

# Braking Distance

- Braking distance is a function of speed, brake power, gradient, condition and type of rolling stock, condition of rails, curvature, wind speed etc.
- Since these factors are difficult to assess, trials are conducted by RDSO to determine the EBDs of different types of trains, locomotives etc. at various speeds and results are published and circulated periodically.



THANK  
YOU



Qs..????.