



## Railway Box Culvert

### Karnataka (India)

#### CUSTOMER

South Western Railways

#### SECTOR

Railways

#### DATE

2018

#### PRODUCTS

- Dekguard E2000
- Dekguard WB Primer

#### THE PROJECT

The Arsikere-Tumakuru stretch is an important railway route in Karnataka, which was doubled up by way of laying another railway track. Hence this necessitated the construction of a new one box culvert.

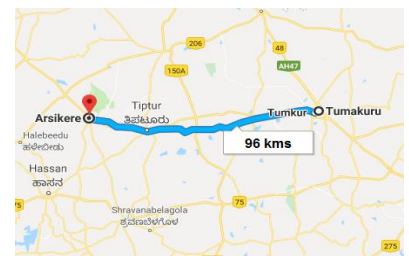
#### THE SOLUTION

Fosroc took this opportunity to specify its anti-carbonation coating as protection to the concrete. "Dekguard E 2000", an aliphatic, water based coating system was proposed and accepted by the railway authorities.

#### THE BENEFITS

Dekguard E 2000 – Complies with all the requirements of an anticarbonation coatings such as:

- High performance - comprehensive barrier against carbon dioxide, water, sulphates and chlorides.
- Crack accommodation - withstands substrate cracking up to 2 mm and cyclic movement up to 1 mm.
- Extremely durable - maintains elastomeric performance, with high recovery, even after long term UV weathering.
- Breathable - water vapor can escape from the structure.
- Colour Choice – Wide range of colours to choose from



Tumkur to Arsikere Line Doubling



Dekguard Sampling on site



Box Culvert coated with Dekguard E 2000 RAL 7001 Silver Grey