Ganga Rail-Road Bridge, Munger (India)

Project description

The mighty Ganga (or Ganges) River, a symbol of India and so much more for the country's people, makes its way from the western Himalayas to the Bay of Bengal, a journey of 2,500 km. Its river basin is one of the most fertile and densely populated regions in the world and covers an area of 1,000,000 square kilometres.

A new bridge, currently being built across the river close to the city of Munger, will carry road and rail traffic on different levels. With 25 main spans of 125 m and a total length of 3190 m, it will be one of the longest bridges in India when it opens in 2015.

mageba scope

To support the deck of this exceptionally long bridge and its approach structures, mageba supplied 304 RESTON®POT bearings for vertical loads of up to 15,000 kN, and RESTON®FORCE horizontal force bearings to resist purely horizontal forces while allowing movement along one axis.

To provide a trafficable surface at the superstructure's movement gaps, mageba also supplied 29 TENSA®MODULAR expansion joints of type LR2 for the road traffic level of the main bridge, and 180 m of TENSA®GRIP single gap joint for the approach road viaducts.

Highlights & facts

mageba products:

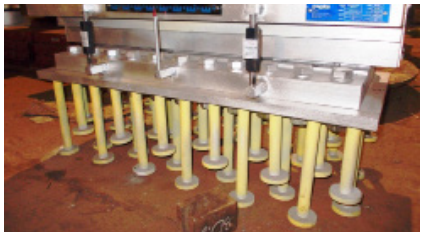
Type:	RESTON®FORCE and RESTON®POT bearings, TENSA®MODULAR (LR2) and TENSA®GRIP joints
Installation:	2007-2014

Structure:

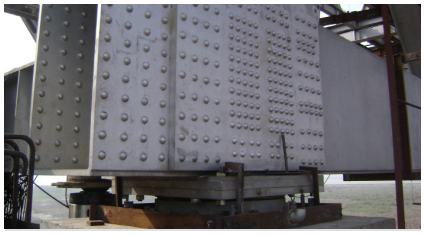
City:	Munger
Country:	India
Completed:	2015
Type:	Rail and road bridge
Length:	3.19 km
Crosses:	Ganga (Ganges) River
Contractor:	Gammon India Ltd.

The bridge crosses the River Ganges near the city of Munger in north-eastern India.

A RESTON®FORCE horizontal force bearing, as fabricated.



A RESTON®POT bearing as installed, during erection of the bridge deck on top of it.



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