

Hyderabad Metro Railway (India)



Project description

Hyderabad Metro Rail (HMR) is the world's largest PPP (Public Private Partnership) construction project. The project, to construct a new metro rail service for Hyderabad, India's fourth largest city, is being implemented in two phases – Phase I creating a network with a length of 71 km, and Phase II extending this by an additional 85 km.

The system is elevated above ground level, minimising conflicts with other land uses and forms of transport. Once completed, it will be world's largest elevated metro railway system. It is estimated that HMR will be carrying 1.5 million passengers per day by 2017.

mageba scope

mageba is supplying a great number of bearings and expansion joints for the construction of the metro system.

These include 7000 LASTO®BLOCK bearings, consisting of blocks of elastomer reinforced by steel plates, which transmit vertical and horizontal forces from the superstructure to the substructure while accommodating rotations about any axis.

68 RESTON®POT bearings, designed for loads of up to 14,280 kN, are also being supplied. The expansion joints being supplied, of types MIGUTRANS®FSL and MIGUTEK®KF, have a total length of approximately 9000 m.

Highlights & facts

mageba products:

Type: RESTON®POT bearings,
LASTO®BLOCK bearings,
MIGUTRANS®FSL joints,
MIGUTEK®KF joints

Installation: 2014-2015

Structure:

City: Hyderabad
Country: India
Completed: 2015 (Phase 1)
Type: PSC box girder
elevated metro bridge
Length: 71 km (Phase 1)
Contractor: Larsen & Toubro
Owner: Hyderabad Metro Rail

Hyderabad, India's fourth largest city with seven million inhabitants, is located in central India.



20 of the LASTO®BLOCK bearings, loaded on a pallet for delivery to site.



RESTON®POT bearings have proven their worth in many railway viaduct applications.

