

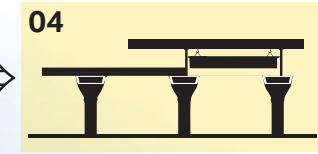
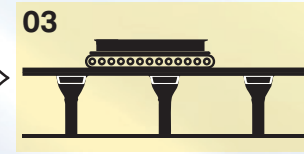
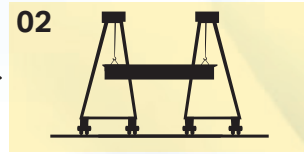
FULL SPAN LAUNCHING MACHINERY FOR

Mumbai-Ahmedabad Bullet Train Project



The work on the entire stretch of 508 km of Mumbai-Ahmedabad Bullet Train Corridor is in full swing.

In order to expedite the viaduct construction, Full Span Launching Method (FSLM) is being used, besides the Segmental Launching Method. Indigenous equipment and machinery such as Straddle Carrier, Bridge Gantry, Girder Transporter and Girder Launcher are being used which are designed and manufactured in India. The technology is about 10 times faster than the conventional segment launching technology and has provided a new dimension to the construction industry.



1100 MT

Rated Capacity



380 MT

Self weight



16 Nos

Axles



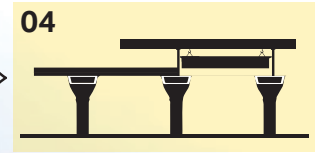
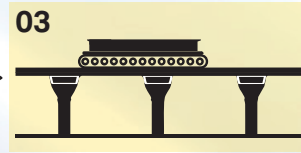
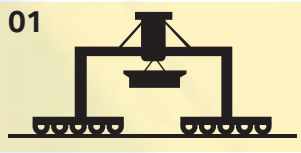
64 Nos

Wheels

STRADDLE CARRIER



This equipment is designed to handle the Full Span Precast girders weighing approx. 970 MT and 40 m length from casting bed to stacking yard and further feeding them to Bridge Gantry for girder launching.



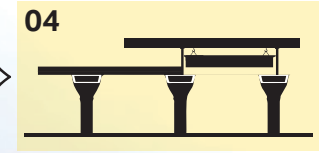
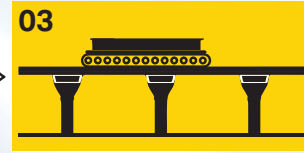
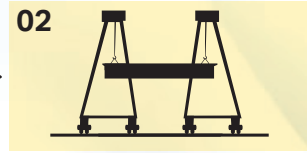
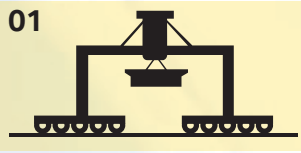
1100 MT
Rated Capacity



350 MT X 2 Nos
Self weight



This machine is used for lifting of girders from ground position to place on girder transporter at the viaduct.



GIRDER TRANSPORTER



1100 MT

Rated Capacity



380 MT

Self weight



54 Nos

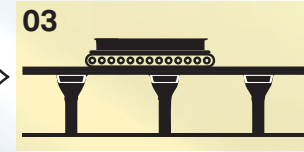
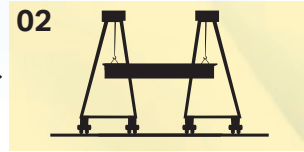
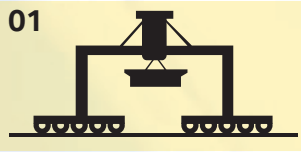
Axles



216 Nos

Wheels

This equipment is designed to transport the Full Span precast girders fed by Bridge Gantry to girder launching location.



LAUNCHING GANTRY



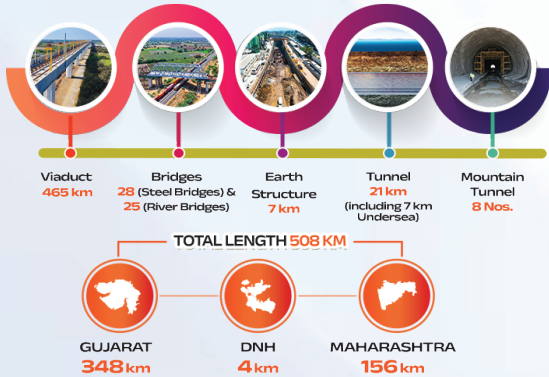
1100 MT
Rated Capacity



540 MT
Self weight

Launching Gantry is used to lift the precast girders from the Girder Transporter & place them at a predefined position over the Piers. Launching Gantry then moves forward to repeat the sequence for subsequent Full Span Girder Launching.

MUMBAI-AHMEDABAD BULLET TRAIN PROJECT



12 Stations
(8 Gujarat, 4 Maharashtra)



3 Rolling Stock Depots



J-Slab Track System



8 Maintenance Centres



High Speed Rail Multi Modal Hub, Sabarmati



HSR Training Institute in Vadodara



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