joint venture of Larsen and Toubro, Alstom Transport, SA and Alstom Project India

22 km
Koyambedu to St Thomas Mount stretch is part of the $22-\mathrm{km}$ Chennai Central-St Thomas Mount line (Corridor-II)

> STANDARD GAUGE IS PREFERRED FOR RAIL TRACKS BECAUSE MOST OF THE METRO'S COMPONENTS ARE IMPORTED. MANUFACTURERS ACROSS THE WORLD USE STANDARD GAUGE | Metro aall official

Work On Koyambedu-St Thomas Mount Stretch Is Progressing Fast, Set To Meet 2013 Deadline

## Tracks soon on 100 Ft Rd

M
Cetro Rail is on track to meet its 2013 deadline to run trains between Koy-
ambedu and St Thomas Mount along an elevated line. With works progressing at a rapid pace, the Chennai Metro Rail Corporation will begin to lay tracks in the section from January 2012.

Elevated viaducts have been placed over pillars for about 1.5 km from Koyambedu on the Koy-ambedu-St Thomas Mount stretch. Works are on to build the elevated viaducts for the rest of the section. Koyambedu to St Thomas Mount stretch is part of the $22-\mathrm{km}$ Chennai Central-St Thomas Mount line (Cor ridor-II). After installing viaducts, firming up the surface on top the viaducts, laying of tracks and construction, lay of tracks and construction or stations, Metro Rail will to St Thial services from Koyambedu to St Thomas Mount by 2013-end.
The track laying is taken up as a joint venture by Larsen and Toubro (L\&T), Alstom Transport, SA and Alstom Project India at a cost of ₹ 449.23 crore. Track laying will start from Koyambedu. "The tracks are going to be imported," said Metro Rail general manager (public relations) S Krishnamoorthy.

The tracks will be of standard gauge (4 feet and 8.5 inches) which

## Moving Ahead One Step At A Time

has a low turning radius. This has been used for metro rail networks in several world cities like Cairo, Madrid, Bangkok, Manila and Beiing. Standard gauge is preferred because most of the metro's components are imported. Manufacturers across the world build machines, coaches and engines on standard


FAST FORWARD: The Koyambedu-Ashok Nagar stretch, complete with elevated viaducts, is expected to be finished first
gauge. It's easier to source track lay ing equipment and rolling stock of global standard if the gauge we fol low is the same as the one used worldwide. Metro Rail will be able to get the best companies to build its infrastructure," a senior official said.

The Koyambedu-Ashok Nagar stretch will be completed first because the contract to install the elevated viaduct was awarded to Soma Constructions as early as in Febru-
ary 2009. L\&T, which won the con tract to build the elevated viaduct from Ashok Nagar to St Thomas Mount in January 2010 have also started a good portion of the works. On the same corridor, the stretch from Chennai Central to Koyambedu is underground. Preliminary works like soil testing have started along Poonamallee High Road under which tunnels will run till they reach Aminjikarai. Soil tests have been
completed near Chennai Central. sential to finalise design of tunnels and underground stations," said a Metro Rail official. Metro Rail is planning to start boring works by year-end when works by year-end when tunnel bor from abroad.

## Two Metro Lines

Corridor I: Washermenpet to Chennai airport (via Anna Salai) Corridor II: Chennai Central station to St Thomas Mount (via Koyambedu)
PROCRESS SO FAR:

1) Chennai Central to Saidapet (underground) stretch of Corridor I: Soil tests began two months ago. Junnel boring machines will be employed to avoid digging out earth for the underground construction. This work is expected to begin in December.
2) Saidapet to Officers Training Academy stretch of Corridor I: Pile work has been completed and pillars are being erected. Viaducts will be installed near Officers Training Academy soon. Work on metro station at Guindy has begun. 3) Chennai Central to Koyambedu (underground) stretch of Corridor II: 1. Soil tests were carried out in June at Chennai Central and Egmore
3) Koyambedu-St Thomas Mount stretch of Corridor II: Tracks will be laid first in this section. Work is set to begin near Kathipara flyover and at Kasi theatre

Building piles and pillars Installing viaducts kkam and Vadapalani by mid 2010
$\qquad$ built, huge prefabricated viaducts fabricated viaducts were installed using cranes on top of the pillars. Viaducts have
been installed on a 1.5 km stretch

Laying tracks

## - After the base

 structures are built, structures are built, standard gauge rail tracks will be laid. The track will require minimal or no been installed on a 1.5 km stretch maintenance. Metro Rail plans tofrom Koyambedu
maintenance. Metro Rail plans to
begin laying of tracks from Jan 2012
were used to test soil condition at various places. This was to find whether elevated corridor was best suited in that location. This began in 2003


Buildiling stations and depot


Thomas Mount
stretch will have seven stations. This later stage because later stage because entry and exit ramps have to be set up at all stations


