

Coach Development

That keeps us motivated...

IREE always provides an opportunities to IR as well as Industry to explore new vistaze. This year is not different. We stand to develop more new Items and improve our services.

Hemant Kumar, Member Mechanical, IR Board.

This exhibitions has showcased leading technologies at one place. Large representations by many countries, nicely displayed and explained. Excellent effort by CII. Keep it up

Pradeep Kumar, Member Staff, IR Board

Excellent arrangements, very good forum provided by CII for the Industry also.

AK Harit, General Manager, Diesel Locomotive Works

Excellent and very informative experience. Whole efforts is wonderful.

Kumar Keshav, Managing Director, Lucknow Metro Rail

Very well organised exhibitions. Participation is very good. Good wishes for future.

Monga Singh, Managing Director, Delhi Metro.



Indian Railways has made a unique contribution to environmental friendliness through the large scale development and applications of zero discharge bio toilets. These work on consumption of human waste by specially developed bacteria. The technology has been developed initially by Defence Research and Development Organisation (DRDO) for use in high altitude locations like Siachen Glacier. IR has a continuous plan of retro fitment of such bio-toilets (model left above) in the next few years.

Rail coach factory Kapurthala is now developing a coach prototype fit for 200 Kmph operations. A key component for such increased speeds is the brake system. The system being developed by a well known brake manufacturer and will include EP Assist technology, cast steel brake disc and sintered brake pads. The system will also have remote diagnostic feature. The prototype is expected to be ready for trials within this year.

In a parallel development, Chittranjan Locomotive works is testing a compatible 200 Kmph Electric Locomotive, serial 30086, WAP5 class Electric Locomotive.

CLW will stop manufacture of conventional designs in November 2015 and all future productions will only be of 3 phase designs.

These other exciting developments are on show in IR stalls, Hall 10.

Editor's recommendation



Do visit the National Rail Museum stall (Hall 10) to be get a glimpse of the historical nature of Indian Railways. NRM has now installed a 3D virtual display of IR History. The visuals simulator has been developed by CC Engineers, Pune.



The Integral Coach Factory (ICF) is now developing a new series of a AC train sets for Kolkata Metro. The concept design of the driving coach, developed jointly by ICF and Hyderabad based Medha Servodrives (who will contribute the traction system) is on display in the Indian Railway stall, Hall 10. Also on display are the various rolling stock versions in use on IR.