

CHINA

ACTIVITY REPORT 2013

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China Civil Engineering Society is a social organization, and has 7100 group members and 42000 individual members which are engaged in research, planning, design, construction and operation in tunnelling.

It has 8 subcommittees:

Construction Subcommittee; Underground Space Subcommittee; Waterproofing and Drainage Subcommittee; Risk Management Subcommittee; Underground Railway Subcommittee; New Equipment and Material Subcommittee; TBM Subcommittee; Design and Training Subcommittee; Operation safety and Environmental Protection Subcommittee



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The Shilin tunnel on Yungui Railway was completed in December 2013.

With total length of 18,208m, it is the longest single tube double track tunnel in China and characterized by karst, sinkhole, fault, water bursting etc.

The breakthrough of the left tube of West Qinlin tunnel was achieved in November 2013, which is the second longest tunnel with 28.236km and driven by TBM+DB method.

The element E7 of immersed tunnel of HZM link project was successfully immersed and connected in December 2013.

The significant project in planning is the Bohai Strait Crossing Project with 3 alternatives: bridge option, tunnel option and bridge+tunnel option.

In tunnel option the tunnel length will be 125km with the investment estimation of 220 billion RMB.

By the end of 2013, the railway tunnels in operation in China Mainland are 10,100 with a total length of about 7,600 km.

The tunnels in construction are about 3,800 with a total length of about 7,300 km; the tunnels in planning are 5,100 with the total length of about 10,800 km.

The completed and opened traffic highway tunnels are 10,022 with a total length of 8,053 km, of which the long tunnels are 441 with a total length of 1,985 km.

65 urban subway lines have been opened in 16 cities, with the total mileage of 1,940 km.

60 subway lines are currently under construction in 26 cities, with the total mileage of 1,543 kilometers.

In addition, the construction of over 1,000 km long tunnels and underground works in hydropower, mining and other sectors are completed in each year.