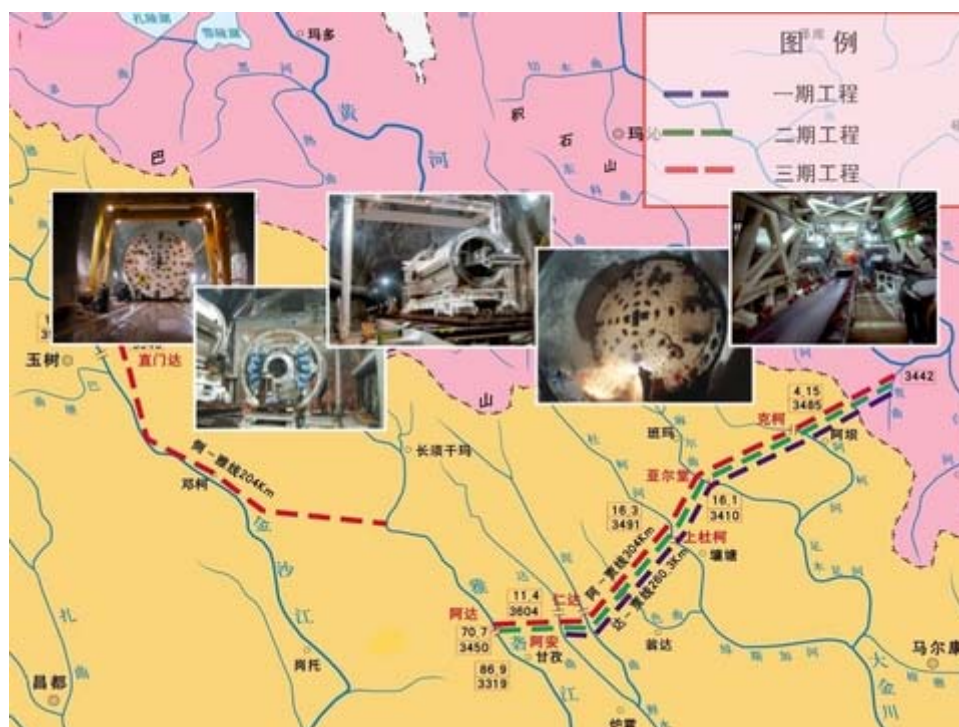


26.10.04: Western Route of South to North Water Diversion Project

EWI has been awarded a consultancy contract for the Western Route of South to North Water Diversion Project in China. This national mega key project is the largest of its kind ever planned in the world.



While the rivers in the Northern Part of China are often dried up, major rainfall causes flooding and claim lives in Central China.

The Western Route of the South to North Water Transfer Project will divert water from upstream of the Yangtze River to upstream of the Yellow River.

The route will be located on the Qinghai-Tibet Plateau with an elevation of 3400 to 4500 meters, in the area of cold climate, high elevation and oxygen deficit. It comprises of 7 dams and 7 tunnels, with a design discharge of 137 m³/s and annual diversion amount of 4 billion m³. The highest dam is in Zhalu with a height of 150 m. Total length of the diversion tunnel is 244 km with diameters between 4.0 and 9.7 m. The longest tunnel section is 71.4 km, the shortest 6.9 km.

The project is currently in a feasibility stage and is planned to be implemented in approx. 2010.

EWI's services consist of geological analysis, advice and recommendations on performance and selection of different types of TBM, forecast and handle-measures for unfavourable geological conditions in tunnel construction, personnel arrangement for TBM excavation, installations, air, water and electricity consumption, etc.

Li Lin, Uwe Jaeger and Dieter Fellner are currently in China, exploring the project area together with the client.



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