Construction and Financing of HSR Stations

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by the end of 2012, operational length of Chinese Railway reached 98,000km, including 9,300km of HSR lines, with 1.89 billion passengers delivered, 30% of which by HSR lines.
Planning of HSRs

Express railway network basically in place, with four north-south and four east-west HSR lines as its backbone.

- Operational length over 120000km
- Double line 50% electrified 60%
- Express railway lines over 40000km
- HSR lines 18000km
Planning of HSRs
Construction concepts: to make railway station the comprehensive traffic hub of the city, harmonious with the development and local cultural of the city.

Construction principles: safe and comfortable, function-based, diversified operation, passenger service, cost effectiveness
Construction concepts of HSR stations

Sitting: overall planning of the city, near the traffic center

Scale: passenger traffic, commercial services

Function: comprehensive traffic hub, seamless connection to all traffic modes

layout: passing ability, guiding signs

Architecture: harmonious with surroundings and reflecting local culture

Economic efficiency: concise, practical, environmental protecting and energy saving
By the end of 2012, 114 HSR stations completed and put into operation, 40 more HSR stations are under construction.
Construction achievements of HSR stations

- Design and construction techniques using “integrated building-bridge structure”
- Design and construction techniques for comprehensive traffic hubs that integrate multiple traffic modes
- PV power system, GSHP technologies, etc.
- Architectures reflecting local culture, HSR Logos, colors and guiding signs.
Financing of HSR stations

**Financed independently:** large stations, like Beijing South Railway Station, Shanghai Hongqiao Station, Wuhan Station

**Financed as part of HSR projects:** middle or small sized stations
Financing of HSR stations

Central government budget
national bonds
Railway construction fund
Self-financing by railway companies

Investments by local government and companies
Railway bonds
Foreign loads
Domestic bank loads
...Thank you

for your kind attention

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