

Electricity Cable Tunnel Project

- To meet the future increase in demand for power supply and to ensure the continued reliability and security of the network, Singapore Power is embarking on a \$2 billion project to build cross-island transmission cable tunnels.
- Two tunnels, one running East-West (16.5 km) and another North-South (18.5 km) for a total of 35 km in length, will be built 60 m underground. The project commenced in 2013 and is scheduled for completion in 2018.
- The tunnels are designed to facilitate faster and more efficient maintenance and replacement of existing and future cables. The frequency of road-digging works for future cable replacement and repair will be minimized, resulting in less traffic congestion and disruption to the public.

Electricity Cable Tunnel Project (Contd)

2

Tunnels

18

Shafts

60
m

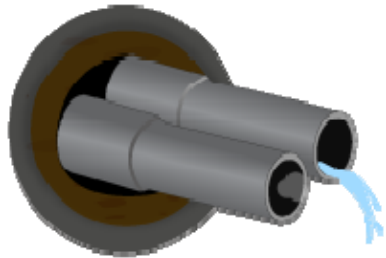
Deep

35
km

Long

6
m

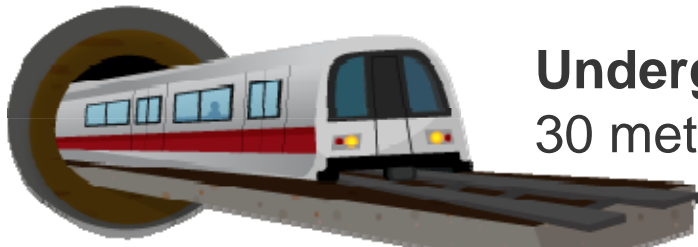
Inner Diameter
of Tunnel



**Sewage, Current
Power Grid &
Natural Gas Pipes**
1 to 3 metres deep

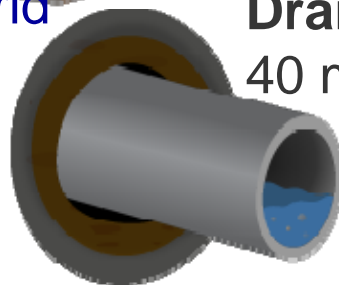


**Underground
Expressways**
8-26 metres deep

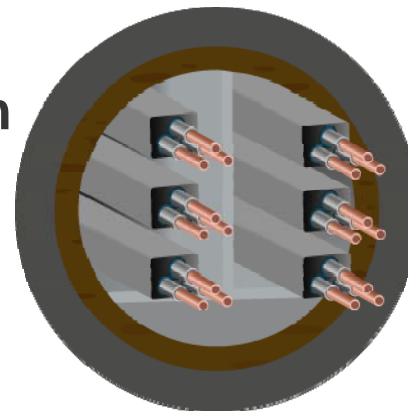


Underground MRT
30 metres deep

Source: SP PowerGrid



Drainage System
40 metres deep



**Electricity
Transmission
Main Artery**

**60 Metres
deep**