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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16566-2018

Replacing GB/T 16566-1996

Terms for railway tunnels

铁路隧道词汇

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 16566-1996 "railway tunnel terminology", compared with GB/T 16566-1996, except editorial modification

The technical changes are as follows.

- Added the term "surrounding rock" (see Chapter 3);
- Combine the original Chapter 3 "Tunnel Survey" and the original Chapter 4 "Tunnel Design" into Chapter 4 "Reconnaissance and Design" (see Chapter 4,.1996) Chapters 3 and 4 of the annual edition);
- Added the term "railway construction machinery" (see Chapter 6);
- Added the vocabulary related to Chapter 7 "Tunnel Support and Lining" and the vocabulary related to tunnel lining from the original Chapter 4 "Tunnel Design" Merged into Chapter 7 (see Chapter 7, Chapter 4 of the.1996 edition);
- Added "test and monitoring" related vocabulary (see Chapter 8);
- Added words related to "ventilation, lighting, drainage" (see Chapter 9).

This standard is proposed and managed by the National Railway Administration.

This standard was drafted by the Railway Construction Research Institute of China Railway Science Research Institute and the Institute of Standard Metrology of China Railway Science Research Institute.

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The previous versions of the standards replaced by this standard are.

1 Scope

This standard defines the basic vocabulary and definition of railway tunnels.

This standard applies to the planning, survey, design, construction, operation, scientific research, teaching and other aspects of railway tunnel engineering. Other underground works can also Refer to use.

2 general vocabulary of tunnel

2.1 Railway tunnel railwaytunnel

A building constructed underground or under water to lay rails for railway locomotives and implements that can travel on tracks.

2.2 Extra long tunnel extra-longtunnel

A tunnel with a total length of 10,000 m or more.

2.3 Long tunnel longtunnel

A tunnel with a total length of more than 3000m to 10000m.

2.4 Medium and long tunnel mediumlengthtunnel

A tunnel with a total length of 500m to 3000m.

2.5 Short tunnel shortlengthtunnel

Tunnels with a total length of 500m and below.

2.6 Circular tunnel circularshapedtunnel

The excavation section shape is a circular tunnel.

2.7 Horseshoe tunnel horseshoe-shapedtunnel

The shape of the excavation section is formed by a number of arcs or arcs connected to a

straight line, which resembles a horseshoe-shaped tunnel.

2.8 Single-track tunnel single-tracktunnel

Lay a tunnel of a line.

2.9 Double-line tunnel double-tracktunnel

A tunnel with two lines.

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