

Report

Title: Is the bullet train network a beneficial proposition for India :-

Introduction: While the country seemed excited when prime minister Narendra Modi announced the diamond quadrilateral of bullet train to connect four major cities of Mumbai, Delhi, Kolkata and Chennai in his venture called “Smart City” Project.

▪ **Is the bullet train network a beneficial proposition for India?**

Significant benefits like shortened travel time, greater connectivity between large cities and improved transportation infrastructure may be available it can encourage tourists, grow the economy and open up job opportunities.

▪ **What is the Bullet Train Project in India?**

The project was launched with the objective to bring a

Revolution in the people of the country.
Through this project, the government aims at:

- Running High-Speed Trains (Speed >160 kmph)
- Running Semi-Speed Trains (Speed >160 kmph to 200 kmph)
- Introduction of fast & faster train sets
- Increasing the speed of existing trains

India's first bullet train project in the country has already started with the construction of a corridor between Mumbai and Ahmedabad.

Further, the Indian Railways' ministry has decided to undertake a Detailed Project Report (DPR) for the following six High-Speed Rail (HSR) corridors:

- Delhi - Varanasi
- Delhi – Ahmedabad
- Mumbai – Nagpur
- Mumbai – Hyderabad
- Chennai – Mysore
- Delhi – Amritsar

- **What is Bullet Train?**

The Bullet Train is type of passenger train that operates on a high speed railway network. It is capable of reaching a maximum speed of 320 kmph.

- ❑ **Advantage of Bullet Train in India:-**

- **Time Saving:-** The Biggest advantage of bullet trains is that they are fast and save up a lot of commuting time.
- **Eco-Friendly:-** Bullet Trains are fuel-efficient. Since it is passenger train, if commuters opt for these, trains, they will save up a lot of fuel on their personal vehicles and the train itself is also highly fuel-efficient.
- **Economic Growth:-** The bullet train project can stimulate economic growth by creating jobs, promoting tourism, and enhancing business opportunities.
- **Safety and comfort:-** Over the years, the number of road accidents has massively increased. These bullet trains are safe and comfortable at the time.

- **Support for make in India:-** The Bullet Train project aligns with the “Make In India” Initiative, as it involves the use of Indian made components and Japanese technology.
- **Real Estate Development:-** The Construction of the bullet train corridors in India is expected to lead to a surge in real estate development in the surrounding areas. The high-speed rail network will impact the demand for housing, retail, and commercial real estate in many ways.

- ❑ **Bullet Train does India really need it for:-**

- Create Jobs
- Improve Business Opportunities
- Reduce Road Accident
- Help Towns Connect
- Reduce Carbon Emissions
- Improve Infrastructure

Firing the first bullet by Dec 2023

PM Narendra Modi's dream project will see a push for completion by August 15, 2022 – India's 75th year of Independence

508 km

distance between Mumbai and Ahmedabad

2.07 hours

total journey duration, down from the existing travel time of 7-8 hours

21 km

length of India's longest tunnel to fall under the train's journey route, along with a 7-km under-sea tunnel at Thane Creek

350 kmph

the maximum design speed with train's maximum operating speed to be 320kmph on an elevated stretch



Conclusion:- India's aim to achieve the target of USD 8.4 trillion in terms of the economy by 2030 will make them the third-largest economy in the coming 25 years. India has proven its immense ability in other fields, including space, as a major contributor. The nations which are a part of the high-speed rail network are considered well-developed; now, it's time for

India to speed up the rate of the Bullet Train Project. This will enhance India's international stature and further boost the relationship between India and Japan, leading to more such investments.

-Reference-

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- Byjus.com

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