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- 
- 
- Home
- UPSC
 - Current Affairs IAS
 -    
 - Quiz IAS
 -     
 - UPSC News Editorial (/Eng)
 - Answer Writing ( /Eng)
 - UPSC Essay (/Eng)
 - UPSC GS (/Eng)
 - UPSC GS 1 ( /Eng)
 - UPSC GS-2 ( /Eng)
 - UPSC GS-3 ( /Eng)
 - UPSC GS-4 ( /Eng)
 - Kurukshetra ( /Eng)
 - Yojana ( /Eng)
 - IAS Strategy for Prelims
 - General Studies
 - UPSC CSAT Paper 2
 - IAS Strategy for Mains
 - IAS GS 1
 - IAS GS 2
 - IAS GS 3
 - IAS GS 4
 - IAS Test Series
- Himachal HPAS
 - Himachal Daily Current Affairs
 -   
 - Daily Himachal GK Quiz

- Himachal HPAS
- Himachal News Editorial (Hindi/Eng)
- Answer Writing (Hindi /Eng)
- Himachal Essay (Hindi/Eng)
- Giriraj
 - Magazine
 - Giriraj Quiz
- Himachal
 - Himachal
 - Himachal Himachal
- HP Government Schemes
- Himachal Himachal Himachal Himachal
- Syllabus Prelims Himachal HPAS
 - GENERAL STUDIES
 - UPSC CSAT Paper 2
 - English
 - Hindi
- Syllabus Mains Himachal HPAS
 - English,Hindi,Essay & One Optional
 - HPAS GS 3
 - HPAS GS 2
 - HPAS GS 1
- Himachal HPAS Test Series
- All You need to Know about Himachal HPAS
- HARYANA HCS
 - Haryana Current Affairs
 - Himachal Himachal Himachal
 - HCS Quiz
 - Himachal Himachal Himachal
 - Haryana News Editorial (Hindi/Eng)
 - Answer Writing (Hindi /Eng)
 - Haryana Essay (Hindi/Eng)
 - HR Government Schemes
 - Himachal Himachal Himachal Himachal
 - Syllabus Mains Haryana HCS
 - Syllabus Prelims Haryana HCS
 - HCS Prelims Test Series

- [Punjab PCS](#)
- [Punjab PCS Current Affairs](#)
- [Daily Quiz Punjab PCS](#)
- [Punjab News Editorial \(Eng\)](#)
- [Answer Writing \(Eng\)](#)
- [Punjab Essay \(Eng\)](#)
- [All you need to know about Punjab PCS Exam 2021](#)
- [Syllabus Prelims Punjab PCS](#)
 - [General Studies](#)
 - [Prelims GS 1](#)
- [Syllabus Mains Punjab PCS](#)
 - [PCS GS 1](#)
 - [PCS GS 2](#)
 - [PCS GS 3](#)
 - [PCS GS 4](#)
 - [Online PUNJAB PCS TEST SERIES 2020](#)
- [CSAT](#)
 - [CSAT English](#)
 - [Punjab PCS CSAT](#)
- [Concept Mindmaps](#)
 - [Polity \(Hindi / Eng\)](#)
 - [Geography \(Hindi / Eng\)](#)
 - [Environment \(Hindi / Eng\)](#)
 - [History \(Hindi / Eng\)](#)
 - [Economics \(Hindi / Eng\)](#)
 - [Science and Technology \(Hindi / Eng\)](#)
 - [CSAT Concepts \(Hindi / Eng\)](#)
 - [Maps \(Hindi / Eng\)](#)
 - [Art and Culture \(Hindi / Eng\)](#)
 - [International Affairs \(Hindi / Eng\)](#)
 - [Punjab PCS Concepts](#)
 - [Himachal HPAS Concepts \(Hindi / Eng\)](#)
 - [Haryana HCS Concepts \(Hindi / Eng\)](#)
 - [Rajasthan RAS Concepts \(Hindi / Eng\)](#)
- [Concept Quiz](#)
 - [Polity Quiz \(Hindi/Eng\)](#)

- Geography Quiz (हिंदी/Eng)
- Environment Quiz (हिंदी/Eng)
- History Quiz (हिंदी/Eng)
- Economics Quiz (हिंदी/Eng)
- Science and Technology Quiz (हिंदी/Eng)
- CSAT Concepts Quiz (हिंदी/Eng)
- Maps Quiz (हिंदी/Eng)
- Art and Culture Quiz (हिंदी/Eng)
- Punjab PCS Concepts Quiz
- Himachal HPAS Concepts Quiz (हिंदी/Eng)
- Haryana HCS Concepts Quiz (हिंदी/Eng)
- Rajasthan RAS Concepts Quiz (हिंदी/Eng)
- Mains
 - UPSC Answer Writing (हिंदी/Eng)
 - HPPSC Answer Writing (हिंदी/Eng)
 - Haryana HCS Answer Writing (हिंदी/Eng)
 - Punjab PCS Answer Writing
- Exam Blogs
 - UPSC Exam Blogs
 - Himachal Exam Blogs
 - Punjab exam Blogs
 - Haryana Exam Blogs
 - Rajasthan Exam Blogs
 - E-Magazine
 - E-Magazine for HPAS
 - हिंदी/English में हिंदी-हिंदी
 - E-Magazine for Punjab PCS
- UPCOMING EXAMS
 - National Exams
 - Himachal Pradesh Exams
 - Punjab Exams
 - Test Series Planner
- About US
- Sign Up
- Login
- facebook 

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▪ youtube 

MENU

Click on Drop Down for Current Affairs

Topics Covered

◆

- What is the news?
 - Colaboration among whom:
 - Boosting Production and Sustainability:
 - What is the aim of this Project?
 - Expansion and Future Prospects:
 - Maruti Suzuki's Dedication to Green Mobility:
 - QuizTime:
 - Are you Ready!
- Read the Below Instructions Carefully:
 - Please Rate!
- Mains Questions:
 - Question 1:
 - Model Answer:
 - Question 2:
 - Model Answer:
 - Relevance to the UPSC Prelims and Mains syllabus under the following topics:

What is the news?

- Maruti Suzuki, a leading automobile manufacturer

in India, has achieved a significant milestone by establishing the **country's first in-plant railway siding at its Gujarat facility.**

- Prime Minister Narendra Modi virtually inaugurated this project in March 2024, marking a pivotal step towards sustainable transportation practices in the Indian automotive industry.

Collaboration among whom:

The successful development of India's first in-plant railway siding at Maruti Suzuki's Gujarat facility was a collaborative effort between several key players. Here's a breakdown of the collaboration:

- **Maruti Suzuki India Limited (MSIL):** They played a central role by constructing the railway line within their plant at a cost of Rs 105 crore and will be the primary user of the siding for dispatching finished cars.
- **Government of Gujarat:** The project aligns with the government's goals for sustainable development and infrastructure improvement. Their involvement likely included facilitating permissions and potentially offering incentives for the project.
- **Gujarat Rail Infrastructure Development Company (G-RIDE):** This is a partnership between the Gujarat government and Indian Railways. Their expertise in railway infrastructure development was likely crucial for planning and potentially even construction aspects of the siding.
- **Indian Railways:** As the national railway provider,

Indian Railways would be responsible for connecting the siding to their broader network, ensuring smooth transportation of vehicles.

Boosting Production and Sustainability:

- The in-plant railway siding, constructed entirely by Maruti Suzuki at a cost of Rs 105 crore, will significantly enhance the company's logistics capabilities. The project aims to increase the use of railways for dispatching finished cars, aiming to rise from 26% to 40% annually. This shift is expected to translate into substantial environmental benefits.

What is the aim of this Project?

The aim of India's first automobile in-plant railway siding at Maruti Suzuki's Gujarat facility is multifaceted, focusing on environmental and logistical improvements:

- **Reduced Carbon Footprint:** By shifting car transportation from trucks to railways, the project aims to significantly decrease the overall carbon footprint associated with Maruti Suzuki's logistics. This aligns with India's goals for sustainable development and reducing greenhouse gas emissions.
- **Lower Fossil Fuel Consumption:** Replacing truck trips with trains leads to a substantial reduction

in diesel fuel consumption. Estimates suggest a decrease of around 35 million liters of fuel annually, leading to cost savings for Maruti Suzuki and a benefit for the environment .

- **Reduced Road Congestion:** Fewer trucks on the road translate to alleviated traffic congestion, particularly on highways used for long-distance car transportation. This not only benefits Maruti Suzuki's logistics efficiency but also improves overall traffic flow for other vehicles.
- **Increased Efficiency:** Utilizing railways for car dispatch is generally considered more efficient than relying solely on trucks. Trains can transport larger quantities of vehicles in a single trip, potentially reducing transportation time and associated costs

By utilizing railways more extensively, Maruti Suzuki anticipates a reduction of 50,000 truck trips per year. This translates to a significant decrease in fuel consumption, estimated at around 35 million liters annually. Additionally, the initiative is projected to cut down on carbon emissions by a remarkable 1,650 tonnes per year, contributing positively to the environment.

Expansion and Future Prospects:

- The newly built railway siding boasts a current parking capacity of 800 cars, with the potential to expand and accommodate up to 3,000 cars in the future. This scalability ensures Maruti Suzuki can handle increased production volumes while

maintaining its commitment to sustainable practices.

Maruti Suzuki's Dedication to Green Mobility:

- The inauguration of India's first in-plant railway siding signifies Maruti Suzuki's dedication to sustainable mobility solutions. This innovative project paves the way for a greener future in the Indian automobile industry by promoting eco-friendly logistics and reducing the environmental impact of car manufacturing.



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General Studies

CURRENT AFFAIRS QUIZ

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- Click on - Start Quiz
 - Attempt all questions (You can attempt or leave)
 - After Attempting Last Question.
 - Enter Name & Email
 - Click on - Check Result
 - Scroll down - Check out Solutions too.
- Thank you.

Loading ...



1 / 5

Category: **General Studies**

The in-plant railway siding project aligns with India's goals for sustainable development because it contributes to:

Increased international trade of automobiles

- Reduced dependence on foreign oil imports
- Lower greenhouse gas emissions from the transportation sector
- All of the above

Prev

Finish

Next

2 / 5

Category: General Studies

The collaboration between Maruti Suzuki, the Government of Gujarat, and Indian Railways in developing the in-plant siding is an example of:

- Public-Private Partnership (PPP) for infrastructure development
- Focus of Indian companies on import substitution
- Introduction of stricter emission regulations in the auto industry
- Government intervention to control fuel prices

Prev

Finish

Next

3 / 5

Category: General Studies

The in-plant railway siding inaugurated at Maruti Suzuki's Gujarat facility is a significant development because it primarily aims to:

- Reduce the cost of car production
- Increase the production capacity of the plant
- Improve fuel efficiency of manufactured cars
- Promote sustainable car transportation logistics

Prev

Finish

Next

4 / 5

Category: General Studies

Which of the following statements is MOST CORRECT according to the passage on India's first automobile in-plant railway siding?

- The project is solely funded by the Indian government.
- The siding is expected to significantly increase car production.
- The project eliminates the need for road transportation entirely.
- Maruti Suzuki is the primary user of the siding for dispatching cars.

Prev

Finish

Next

5 / 5

Category: General Studies

One of the potential challenges associated with expanding in-plant railway sidings in the Indian automobile industry, as mentioned in the passage, is:

- Lower operational costs compared to road transportation
- Increased flexibility in reaching dealerships across the country
- Government subsidies for infrastructure development
- Requirement for additional investment in railway infrastructure

Prev

Finish

Check Rank, Result Now and enter correct email as you will get Solutions in the email as well for

future use!

Check the Result

Your score is

0%

Restart quiz

Please Rate!

Send feedback

Mains Questions:

Below Mains Question

Write in Comment Section



Question 1:

India recently witnessed the inauguration of its first automobile in-plant railway siding at a Maruti Suzuki facility. Discuss the potential benefits and challenges associated with this

development for the Indian automobile industry. (250 words)

Model Answer:

The inauguration of India's first automobile in-plant railway siding at Maruti Suzuki marks a significant development for the Indian automobile industry. This project offers several potential benefits:

- **Environmental Sustainability:** Shifting car transportation from trucks to railways significantly reduces carbon emissions and fuel consumption, aligning with India's sustainability goals.
- **Logistical Efficiency:** Railways offer a more efficient mode of transport, potentially reducing transportation costs and time compared to relying solely on trucks.
- **Reduced Traffic Congestion:** Shifting car movement to railways alleviates road congestion, especially on highways used for long-distance car transportation.

However, there are also potential challenges to consider:

- **Infrastructure Development:** Expanding railway infrastructure, particularly dedicated sidings within manufacturing plants, requires significant investment and planning.
- **Connectivity and Flexibility:** Railway networks might not offer the same level of point-to-point

flexibility as trucks, potentially impacting delivery timelines for dealerships.

- **Integration with Existing Systems:** Integrating railway movement with existing logistics systems within the automobile industry requires careful planning and coordination.

Question 2:

Critically evaluate the role of collaborative efforts between government, public sector undertakings, and private companies in achieving sustainable development goals in India. Use relevant examples to support your arguments. (250 words)

Model Answer:

Collaborative efforts between government, public sector undertakings (PSUs), and private companies play a crucial role in achieving sustainable development goals in India. The example of India's first automobile in-plant railway siding highlights the effectiveness of such partnerships:

- **Government:** The government provides the framework for sustainable development through policies, incentives, and facilitating infrastructure projects.
- **PSUs:** PSUs like Indian Railways contribute expertise and existing infrastructure, playing a

vital role in implementing sustainable logistics solutions.

- **Private Companies:** Private companies like Maruti Suzuki invest in innovative projects like in-plant sidings, driving efficiency and promoting environmental responsibility.

This collaboration allows for a comprehensive approach, leveraging the strengths of each entity. However, successful collaboration requires:

- **Clear Vision and Allocation of Roles:** A well-defined vision and clear allocation of roles among all stakeholders ensures effective project execution.
- **Streamlined Bureaucracy:** Simplifying bureaucratic processes facilitates timely project approvals and reduces implementation delays.
- **Focus on Long-Term Benefits:** All parties involved must prioritize long-term environmental and economic benefits over short-term gains.

By fostering successful collaboration, India can accelerate progress towards achieving its sustainable development goals.

Remember, these are just two examples of UPSC Mains questions inspired by the current news. Feel free to modify and adapt them further to fit your specific needs and writing style. Good luck with your preparation!

Relevance to the UPSC Prelims and Mains syllabus under the following

topics:



Prelims:

- **General Science and Technology:** Developments in Science and Technology in fields of relevance to infrastructure and transportation.

Mains:

- **GS Paper III – Infrastructure:** Transport systems in India (roads, railways, waterways, airways, etc.) and their problems
- **GS Paper III – Environment and Ecology:** Environmental impact of transport projects and their mitigation strategies.
- **GS Paper II – Governance:** Issues related to management of public sector undertakings (like Indian Railways).
- **GS Paper IV – Ethics, Integrity, and Aptitudes:** Ethical considerations in sustainable development .

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Hindi.*

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Quiz Time

The profit triples with a doubling of the selling price. Determine the profit percentage.

- Option 1
- Option 2
- Option 3



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- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र

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- PPSC Quiz
- Punjab Mindmaps
- Punjab Editorial
- Punjab E-Magazine
- PPSC Free Mock Test
- PPSC Prelims Test Series

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- Haryana Current Affairs
- HCS Quiz
- HCS Editorials
- HCS Mindmaps
- HCS E-Magazine
- HCS Free Mock Test
- HCS Prelims Test Series

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