

BUSINESS PROPOSAL

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SUMMARY

PROBLEM STATEMENT

“Rough Roads, Tough Journeys: India’s Infrastructure Odyssey”

The deteriorating condition of roads in India is a pressing issue that hampers smooth transportation and poses risks to road users. Potholes, uneven surfaces, and lack of proper maintenance contribute to accidents and traffic snarls, impeding economic growth and causing inconvenience to commuters. This pervasive problem calls for urgent attention and concerted efforts towards comprehensive road infrastructure improvement and maintenance programs.



But the road.....



EVIDENCES:

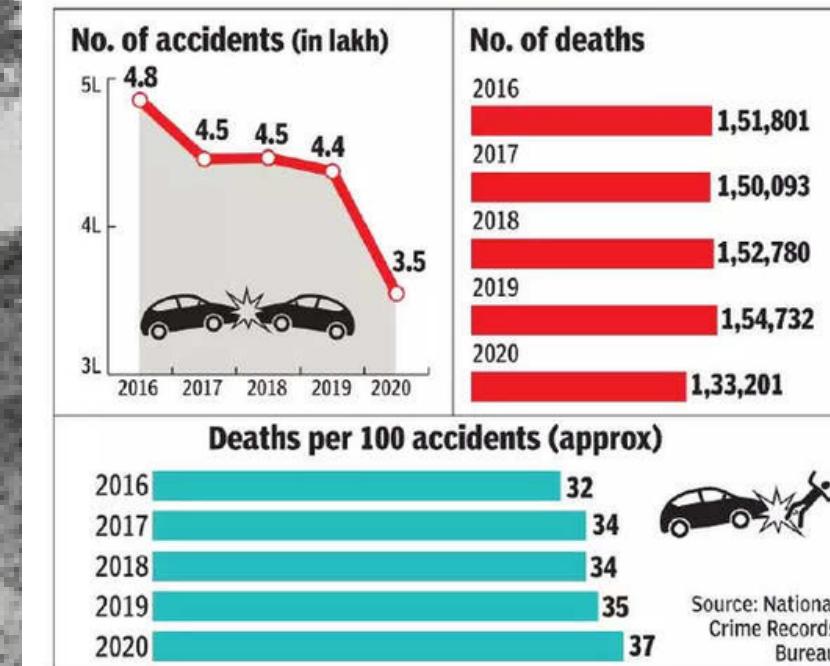
The alarming statistics of road accidents in India paint a grim picture of the dire consequences of faulty roads. Annually, over 150,000 lives are lost, leaving families shattered and communities grieving. Beyond the tragic loss of life, the economic toll is staggering, accounting for a loss of nearly 3% of the GDP due to medical expenses, property damage, and decreased productivity. These figures underscore the urgent need for comprehensive road infrastructure reform to save lives and bolster India's economic resilience.

Panjim looks like a warzone without bombs

It's IFFI time and almost every arterial road has been dug and cut, leaving the capital in a mess. Would the PM due to visit Goa soon have approved of this, at the time when an International Film festival, showcased by India is on?



37 DEATHS PER 100 CRASHES



**POTHOLE KILLS A 45
YEAR OLD IN K'TAKA**



IMPACTS

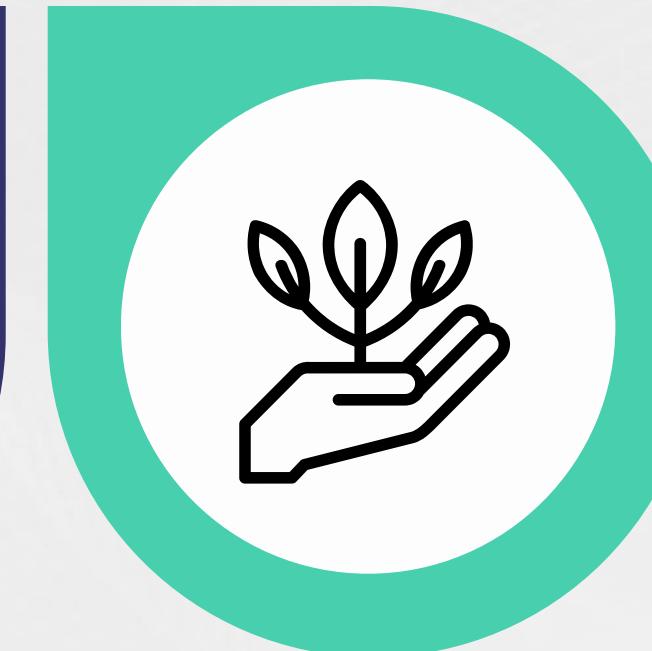
01. Public Safety Peril

- 1) Loss of lives due to road accidents
- 2) Delay in medical facilities leading to death of patients.



03. Infrastructure Liability

- 1) Huge expenses of renovations and management of infrastructure.
- 2) Decline in manpower of the nation due to accidents.



02. Economic Decline

- 1) Lack of proper transportation leading to delays in service providing.
- 2) Hampering trade relations with other nations.
- 3) Reduction in tourism

04. Environmental Losses

- 1) Poorly maintained roads contribute to air pollution and greenhouse gas emissions
- 2) Exhausting of natural resources in making materials needed for construction of road

REASONS



01. POOR QUALITY OF MATERIAL USE

Cheaper material like the use of asphalt rather than concrete decreases the lifetime of the roads. Asphalt provides instantaneous strength but does not last long. Involvement of corruption, continuous digging processes, and climatic changes degrades road quality.



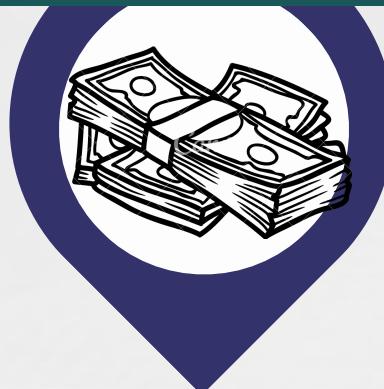
02. LACK OF MODERN TECHNOLOGY

The use of modern technologies like speed checks and speed warning devices is still limited only to certain regions of the nation and not intensively used. Less experienced technical staff use the conventional methods of road construction.



03. URBANISATION

There is an alarming rise in the population of the country and urbanization is leading to heavy pressure on roads and increasing issues of road congestion and traffic.



04. REVENUE ISSUES

India is still a developing nation and with the prevailing problem of tax hoarding and corruption, the revenue is not sufficient for infrastructure construction and maintenance.



SUSTAINABLE SOLUTIONS



QUALITY CONTROL

The use of good quality concrete especially OPC and PPC for road construction increases road life as they have a slag mixture that undergoes hydration gradually giving long-term strength. Besides use of blended cements reduced cement need thus saving the most costly material in concrete preparation. Indian standard code should be referred and proper committees must be setup to check corruption.



MODERN TECHNIQUE IMPLEMENTATION

Modern techniques like Lidar Gun, Speed Indication Display, Speed Governors, Variable Message Signs, and Inductive Loops should be used as they are time-saving and efficient . Experienced expert manpower should be increased by involving undergraduates and postgraduates from top institutes by providing good incentives ,this will eventually improve quality production as well as reduce the problem of unemployment in nation.



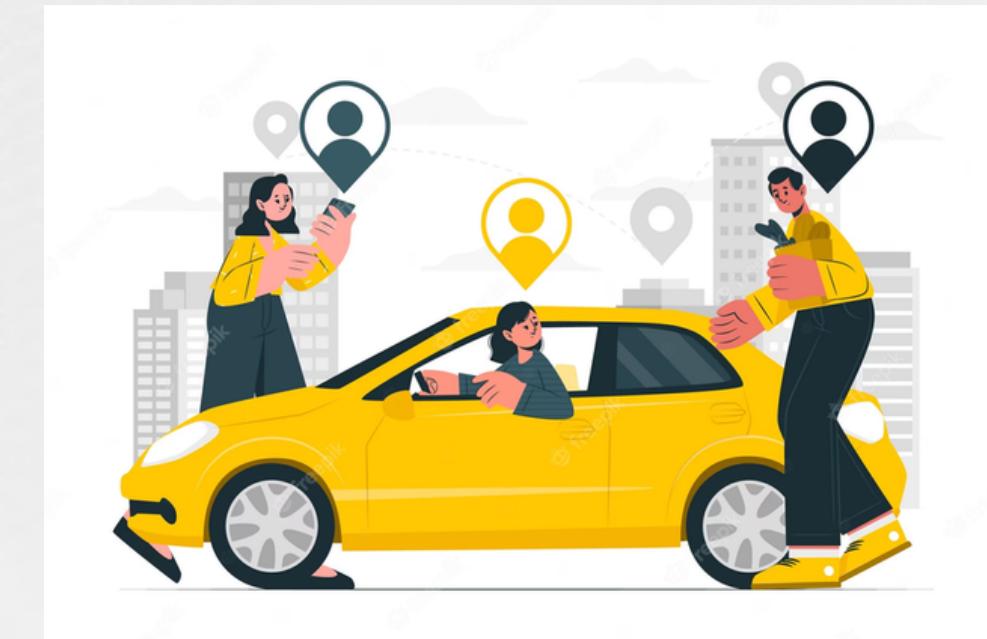
FUND RAISING

Foreign Collaboration of fundraising for building international connectivities can elevate foreign trade and networking. Besides promotes global interactions that improve tourism and increase revenue generation which can further be used for in-country road development thus improving the healthcare system, trading, and comfort of living.

PARTNERSHIP WITH CAB SERVICE PROVIDER



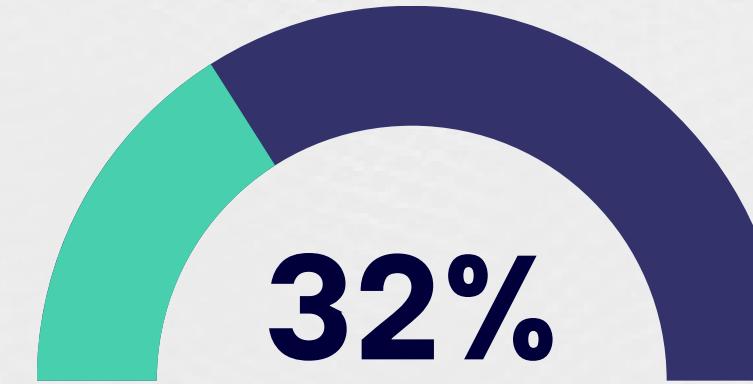
The government can enter into partnership with private cab services, as the government on its part will impose legislature to promote public services and share cabs rather than personal vehicles. This will increase the demand for cab services in the country thus benefiting these cab service provider and eventually raising partnership profit which in turn can be used in infrastructure construction. Besides this, it increases the GDP of the nation and reduces carbon emissions from vehicles thus having environmental benefits.



FINANCIAL FORSIGHT



The amount of budget allotted for roads and national highways creation across India was around 2.2 trillion Indian rupees whereas the use of OPC and PPC cement for construction purposes reduce the cost drastically to 25 percent also reducing the further maintainace cost.



The use of modern techniques and better manpower leads to an increase of 32 percent in total revenue, however, it incurs an initial cost and a minimal future cost but the return is greater than the amount spent.



Partnership with the cab service provider will eventually lead to an increase in partnership profit and total GDP increase by 52 percent

SUMMARY

- **PROBLEM STATEMENT**

Poor road infrastructure in INDIA and its major consequences



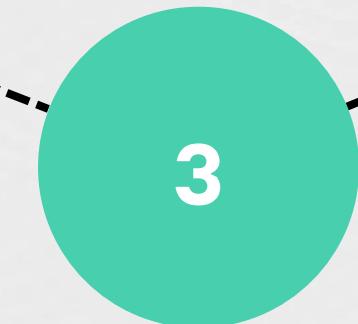
- **IMPACTS**

Poor roads in india lead to major car accidents, economical hamper, environmental damages etc.

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- **RESONS**

Use of poor quality materials, lack of technological advancement,revenue issue etc.



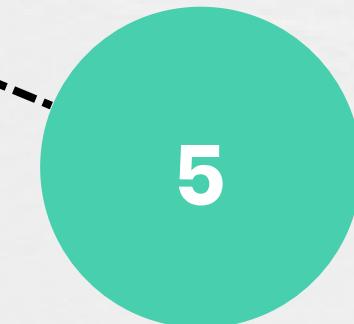
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- **Sustainable solutions**

Quality checks, partnership with cab service providers, fund raising etc.



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- **Financial Foresight**

Financial reports to various scheme plan as implemented by government.

THANK YOU

