

An Analysis of the Challenges Facing State Road Transport Undertakings in India

Dr. Suresh¹ and Gujar Lata Sureshchandra²

¹Professor, S.K. Govt. Girls College, Sikar, Rajasthan, India

² Research Scholar, A.B.S.T. (Accountancy and Business Statistics), Faculty of Commerce
Pandit Deendayal Upadhyaya Shekhawati University, Sikar, Rajasthan, India
latagurjar1990@gmail.com

Abstract: *The State Road Transport Undertakings (SRTUs) are part of the public transportation system in India. They are an essential part of the low cost, accessible and reliable transport services to millions of passengers in urban and rural settings. Although the SRTUs make a very significant contribution to socio-economic development, most of them are experiencing recurring problems that hamper their efficiency and financial sustainability. Operational costs, heightened competition from private transport operators, older equipment, poor infrastructure, technological constraints and environmental issues have put significant strain on the activity of SRTUs. The current study highlights the key issues that are being faced by State Road Transport Undertaking in India and their impact on service quality, operational efficiency and sustainability. The study is based on secondary data and existing literature, and it identifies the main challenges in the sector and recommends strategic solutions for enhancing efficiency and sustainable growth. The results indicate that reforms in finances, technology, upgrading of fleets and policy measures are crucial for boosting the future of public road transport in India.*

Keywords: State Road Transport Undertakings, Public Transport, Financial Sustainability, Operational Efficiency.

I. INTRODUCTION

Transportation is a key component of economic development, social inclusion and regional connectivity. Road transport in India is one of the most significant forms of transport, as it is very flexible and accessible and can reach people in remote areas. Public road transport, especially via State Road Transport Undertakings (SRTUs), has played a crucial role linking urban and rural and remote areas and providing affordable mobility for millions of people. SRTUs were set up to ensure efficient, economical and socially inclusive transportation services. These undertakings carry out an important public service with regard to passenger transport services on routes where there may be no commercial interest. As such, SRTUs play an important role in employment generation, economic integration and increased access to education, healthcare and markets.

Presently, there are multiple State Road Transport Undertakings running in various states in India. Together they run thousands of buses and carry millions of passengers a day. Many SRTUs have been facing significant financial and operational challenges for the past few years, despite their significance. These organizations have faced a number of significant issues such as rising fuel prices, maintenance expenses, reduced profitability, competition from private operators, and rising expectations of passengers.

But in recent years, the urbanization has accelerated and technologies have advanced, the environment has become an issue, and a shift in travel habits has all played a role in further changing the transportation landscape. The private transport and the mobility services using apps have grown considerably and many SRTUs have been unable to change. This has led to a growing interest in their efficiency, competitiveness and sustainability.



In this context, the current research aims to deepen the understanding of the significant issues confronting the State Road Transport Undertakings (SRTUs) in India and to propose strategies that can enhance their efficiency and sustainability.

Overview of Road Transport and State Road Transport Undertakings in India

An efficient and well-developed transportation system is essential for India, which has more than 1.4 billion people, to facilitate economic activities and cater to the mobility needs of its citizens. Road Transportation dominates the country's passenger movement amongst the various modes of transport. Road transport is the main mode of transportation in India, handling a large share of trips. India has a very extensive road network of over 6 million kilometers, which plays a crucial role in helping the country trade and do business, provide employment and social interaction with one another, and connect different geographical regions. A number of factors are responsible for the increase in demand for road transport services, such as fast urbanization, continued economic expansion, higher income, growth of the middle class, higher expectations of consumers, and a large working-age population. The developments have raised the demand for public transportation services in the country, which are reliable, accessible, cheap and available.

State Road Transport Undertakings (SRTUs) are a crucial part of the public road transportation system in India. They are organized under the Road Transport Corporation Act 1950 which sets up their legal and administrative basis. The Act details many aspects of the establishment, management, powers, functions, financial administration, audit and governance of road transport corporations in various states. The main task of SRTUs is to offer safe, economical and efficient passenger transportation services to the public. SRTUs, unlike private transport operators, do not aim at profits, but have an important social responsibility, as they provide transport services in profitable and unprofitable areas. They are an important link between rural and urban areas and help to provide access to education, health, jobs and public services.

In a span of several years, State Road Transport Undertakings have become the main providers of public transportation via bus services in many states of India. They have a wide coverage and network of operation, which allows them to cater to millions of passengers every day. In some states, SRTUs are still the primary providers of public bus services in terms of geographic coverage, number of passengers served, and social outreach. Their role is especially important in the rural and remote areas where private providers might be prepared to provide services with lower profitability.

Although SRTUs are crucial in supporting mobility and regional development, they are confronted with a wide range of challenges which impact their performance and financial sustainability. These organizations are facing a lot of pressure due to rising operating expenses, aging fleets, the presence of private transport operators, technology limitations and infrastructure challenges. It is important to understand these challenges to come up with effective strategies to make the public road transport system more sustainable and robust in India. There are 69 State Transport Undertakings (SRTUs) operating in India as of the latest official data from the Ministry of Road Transport and Highways (MORTH).

Research objectives

- To study the challenges faced by SRTUs in India.
- To analyze their impact on SRTU performance.
- To suggest measures for improving SRTU efficiency and sustainability.

II. RESEARCH METHODOLOGY

The present study is descriptive in nature and is based on secondary data. The required information has been collected from government reports, annual reports of State Road Transport Undertakings (SRTUs), research articles, journals, books, and official publications. The collected data have been analyzed to identify the major challenges faced by SRTUs in India and to suggest suitable measures for improving their performance and sustainability.



Challenges faced by the State Road Transport Undertakings in India

1 Financial Challenges. One of the major difficulties that SRTUs have to address is financial instability. Operating costs are increasing and the opportunities for generating revenue are dwindling under intense financial pressure for most transport undertakings. Fuel costs have been steadily climbing causing the costs to run up. The same is true of salary and pension costs, maintenance and administrative costs. Fare revisions may be subject to political and social factors and many SRTUs will not be able to cover their operating costs from passenger fares. Long-term budget deficits hinder transport companies from investing in infrastructure, upgrades, and technology. As a result, financial sustainability has become a key issue for policy makers and transport administrators.

2 Aging Fleet and Maintenance Issues. There are many buses on the State Road Transport System that are beyond their optimum operating life. Older vehicles tend to need more repairs and maintenance, resulting in higher expenses for operation and lower level of service. Old buses tend to be less efficient in fuel usage, and more likely to have mechanical problems. Breakdowns lead to service interruptions, displeased passengers and loss of productivity at work. In addition, keeping these aging fleets adds to already limited budgets.

3. Private operators competition

Development of private transportation services has increased competition in the passenger transport industry. Flexibility in scheduling, improved speed of service and facilities for passengers are some of the factors that often enable private bus operators to attract passengers. Furthermore, the development of app-based mobility services has changed the way people travel, especially in urban areas. The developments have meant that the market share of some of the SRTUs has been affected and there are difficulties in generating revenue.

4. Inadequate Infrastructure. Our public road transport systems are still poorly performing due to infrastructure problems. There is a need for modernization and expansion in many bus depots, terminals, workshops and passenger facilities. Poor passenger amenities, lack of maintenance facilities, and lack of parking negatively affects service quality. Limited infrastructure also impacts on operational efficiency and maintenance issues.

5. Political Interference. SRTUs face a sustainability crisis — 70% of operations run on non-profitable rural routes, with political pressure to offer concessions without adequate compensation. The financial situation is getting worse year-on-year, with losses projected to increase unless states provide proper subsidies or budgetary support.

Effect of challenges on State Road Transport Undertakings

These difficulties will have wide-ranging implications for organizational performance and for the delivery of public services by SRTUs. Financial losses limit the ability of transport undertakings to invest in fleet modernization, infrastructure development and service improvement. This can cause service quality and efficiency to become reduced over time. Poorly maintained facilities and aging fleets cause disruption of service and dissatisfaction among passengers. Travel delays, breakdowns and congestion have a negative impact on the travel experience and can stimulate passengers to consider private alternatives to travel.

These challenges are further exacerbated by competition from private operators, who further squeeze the passenger revenue and market share. Public transport companies are already facing financial difficulties to compete in the market. Financial difficulties are even more acute. Environmental issues also give rise to significant implications. Adopting traditional fuel technologies will continue to add expenses and pollution to operations. Without sustainable transportation measures and solutions, longer-term sustainability goals and public confidence could be jeopardized.

In general, all these problems have a negative impact on the capacity of the SRTUs to effectively carry out their social and economic responsibilities.



III. FINDINGS AND SUGGESTIONS

The study highlights that State Road Transport Undertakings (SRTUs) continue to play a vital role in India's public transportation system by providing affordable and accessible transport services to millions of people. Although they are key players, there are a number of challenges that impact the performance and sustainability of these organizations. A key finding of the study is that most SRTUs continue to struggle with financial issues. Higher fuel costs, escalating maintenance costs, staffing costs and restricted revenue options have put a strain on their finances. Consequently, a significant number of projects have difficulty in investing in new buses, infrastructure and modern technology.

The study also reveals a significant proportion of SRTUs are using older bus fleets. Older cars need more repairs and maintenance, not only does this add to running expenses, it also has an impact on the reliability of the service that they provide. Delays and inconvenience to passengers are often the result of vehicle breakdowns and overcrowding. Private transport operators are also increasingly posing a threat. There are also many private service providers that may provide more flexibility and passenger amenities, and serve many commuters. This has shrunk the number of passengers and revenue for a lot of public transport entities.

The results also show that low level of infrastructure and use of technology has limited their operational efficiency. There are yet many transport undertakings that have not yet implemented contemporary bus terminals, advanced fleet administration frameworks and web based administration services. However, in some areas, quality of service and passengers' convenience are still not satisfactory. Environmental issues have also become an important concern. Relying on traditional fuel vehicles such as buses and vans is a cause of air pollution and degradation of the environment. There are efforts to provide cleaner and more sustainable transport, but these are not progressing quickly enough because of costs and lack of infrastructure.

In summary, the study indicates that SRTUs still play a significant public role but need massive transformation and modernization to cater to the changing needs of passengers and the sustainability of SRTUs. Their performance and effectiveness can be greatly improved with better financial management, modern technologies, improved infrastructure and the development of environmentally friendly transport solutions

IV. CONCLUSION

State Road Transport Undertakings (SRTUs) are very significant in the field of transportation services in India as they provide cheap, accessible and reliable transportation services across the country. They move millions of people every day and are playing an increasing role in the economic growth, social inclusion and regional connectivity, especially in rural and remote areas. Although they are vital, SRTUs are faced with a number of challenges such as financial losses, rising operating expenses, the need to replace old buses, poor infrastructure, limited technology, greater competition from private operators and environmental issues.

The study shows that these difficulties have had a negative impact on the efficiency, quality of services and sustainability of numerous transport operators. Costs have constrained their modernization of fleets and infrastructure, and the expectations of passengers necessitate better service delivery and technological advances.

SRTUs need to be comprehensively overhauled with regard to financial restructuring, fleet and technology upgrading, building infrastructure, sustainable transport and practices. By addressing existing challenges and implementing innovative solutions, efficient management, and increased government support can enhance India's public road transportation system.

Finally, it is critical that the State Road Transport system is strong and sustainable to satisfy the country's increasing mobility demands. The inclusion of the challenges to be addressed by the SRTUs will not only enhance the transportation services but also help realize inclusive development, economic growth and environmental sustainability in India..



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