

# A STUDY ON CAPACITY UTILIZATION OF STATE TRANSPORT UNDERTAKING:

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## Abstract:

State Transport Undertakings (STU) have made significant contribution through creating a good road transportation infrastructure for developing the rural good economy in the state. The Corporation Act was established in 1948, which was later constituted under the Road Transport Corporation Act, 1950. Nationalization of passenger road transport services in the State started in June 1948, State transport undertaking is currently facing several problems due to which its financial profitability has been negatively affected. The capacity utilization of STUs from 2012-13 to 2015-16 is considered for the research study. The study is based on last four year data i.e. from 2012-13 to 2015-16 available in State Transport undertakings Department like Carrying capacity, Passenger KMS, Percentage of Load factor, Passenger load in KMs, Passenger carried in crores.

**KEY WORDS:** *STUS, CORPORATION, CAPACITY UTILIZATION, ECONOMY, CARRYING CAPACITY.*

## INTRODUCTION:

Road transport undertakings provide passenger good quality transport in every corner of India. STUs carried out an ambitious progress plan for connecting each village bus service. It covers route connectivity in the whole Maharashtra states of India. STUs have made significant contribution through creating a good road transportation infrastructure for developing the rural good economy in the state. The Corporation Act was established in 1948, which was later constituted under the Road Transport Corporation Act, 1950. Nationalization of passenger road transport services in the State started in June 1948, State transport undertaking is currently facing several problems due to which its financial profitability has been negatively affected. The capacity utilization of state Transport Undertaking is very important to study. The study is based on last four year data i.e. from 2012-13 to 2015-16 available in State Transport undertakings Department like Carrying capacity, Passenger KMS, Percentage of Load factor, Passenger load in KMs, Passenger carried in crores. This helps to understand actual capacity utilization and is very easy to identify various problems of State transport undertakings which affect negative impact on profitability. The prime objectives of the study are to study the capacity utilization of State Transport Undertakings and its comparative analysis of each parameter from last four years.

## OBJECTIVES:

- 1) To study the capacity utilization of State Transport Undertakings

2) Comparative study on State Transport Undertakings from last four years i.e. from 2012-13 to 2015-16.

### RESEARCH METHODOLOGY:

This research is based on various parameters of capacity utilization of State Transport Undertakings in India like carrying capacity, passenger KMS, percentage of load factor, Passenger load in KMS, Passenger carried in Crore. All required information is collected from performance appraisal of STU. The research is based on secondary data. Statistical tools were used to analyze the data.

### IMPORTANCE OF STUDY:

The study is focused on various parameters of Capacity utilization of State Transport undertakings like carrying capacity, passenger KMS, percentage of load factor, Passenger load in KMS, Passenger carried in crores. This study helps to understand state transport undertakings actual capacity utilization. Various problems of STUs. This will help to reduce future losses in STU in India.

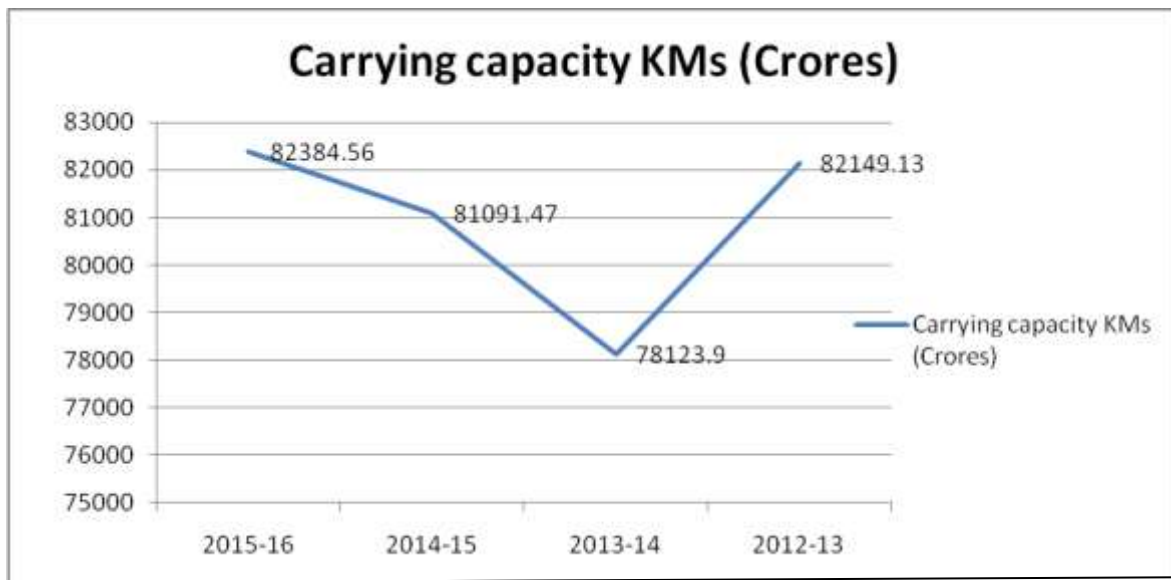
### CARRYING CAPACITY (KILOMETERS) OF STATE TRANSPORT UNDERTAKING FROM LAST FOUR YEARS:

**Table No:1**

Sr.No	Year	Carrying capacity KMs (Crores)
1	2015-16	82384.56
2	2014-15	81091.47
3	2013-14	78123.90
4	2012-13	82149.13
5	Total	323749.1

(fig.in crores)

From the above table, Carrying capacity in KM of State transport Undertakings from last four years is considered for the study. Total carrying capacity from last four years i.e. from 2012-13 to 2015-16 is 323749.1 crores. Passenger carrying capacity of State transport undertaking in the 2015-16 is 82384.56 .It is increased by 1293.09 crores as compared to previous year 2014-15. Carrying capacity is increased in the year 2014-15 i.e. 81091 crores as compared to last year .It is increased by 2967.57 crores. Carrying capacity is decreased by 4025.23 in the year 2013-14 as compared to previous year 2012-13.

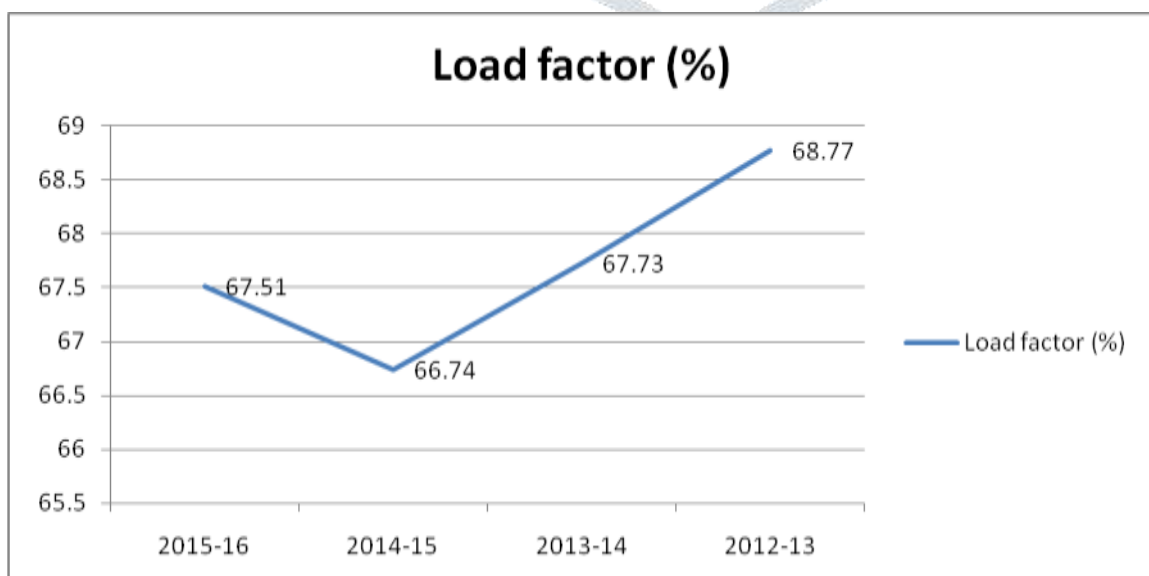


#### LOAD FACTOR OF STATE TRANSPORT UNDERTAKING FROM LAST FOUR YEARS:

Table No:2

Sr.No	Year	Load factor (%)
1	2015-16	67.51
2	2014-15	66.74
3	2013-14	67.73
4	2012-13	68.77

From the above table, it is found that load factor of STU is highest 68.77 % in the year 2012-13. Then it falling to 67.73% in the next year 2013-14. STU load factor is decreased to 66.74% in the year 2014-15. Load factor is slightly increased to 67.51 % in the next year 2015-16. Falling load factors due to competition it faces competition from private bus operators and other private vehicles like auto-riksha. STUs load factors declining affecting on its financial performance.

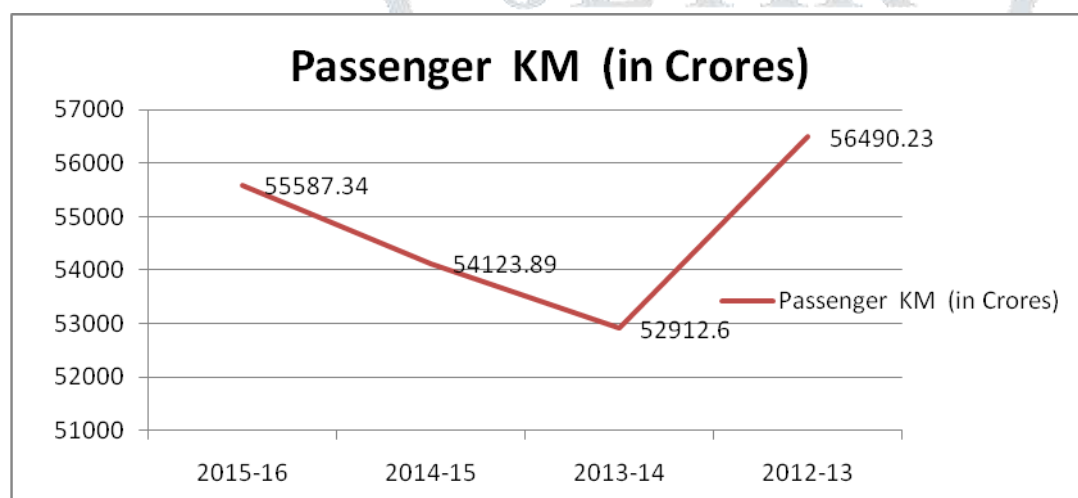


**TOTAL PASSENGERS IN KILOMETERS OF STATE TRANSPORT UNDERTAKING FROM LAST FOUR YEARS:****Table No:3**

Sr.No	Year	Passenger KM (in Crores)
1	2015-16	55587.34
2	2014-15	54123.89
3	2013-14	52912.60
4	2012-13	56490.23
5	Total	219114.1

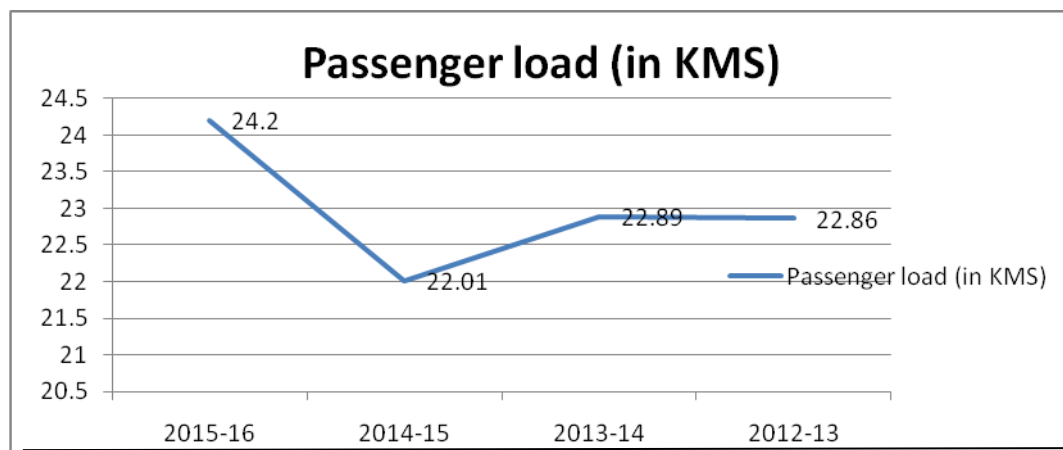
(fig.in crores).

From above table it is found that passenger kilometers is highest i.e 56490.23 crores in the year 2012-13 .It is decreased by 3755.63 crores in next year i.e.2013-14.State transport Undertakings passenger Kilometers is increased from 2014-15 to 2015-16 by 1211.19 and 1463.45 crores. Total Passenger carried from last four years is 219114.1 crores.average passenger in kilometers from last four years is 54778.52 crores.

**PASSENGER LOAD (IN KM)OF STATE TRANSPORT UNDERTAKING FROM LAST FOUR YEARS:****Table No:4**

Sr.No	Year	Passenger load (in KMS)
1	2015-16	24.20
2	2014-15	22.01
3	2013-14	22.89
4	2012-13	22.86

From above table, it is observed that passenger load factor is highest i.e. 24.20 in the year 2015-16.Passenger load of State Transport Undertakings is increased to 0.03 and from 2012-13 to 2013-14 .It is decreased to0.88 in the year 2014-15 .Passenger load factor is increased to 2.19 in 2015-16.Average passenger load from last four years i.e. 2012-13 to 2015-16 is 22.99



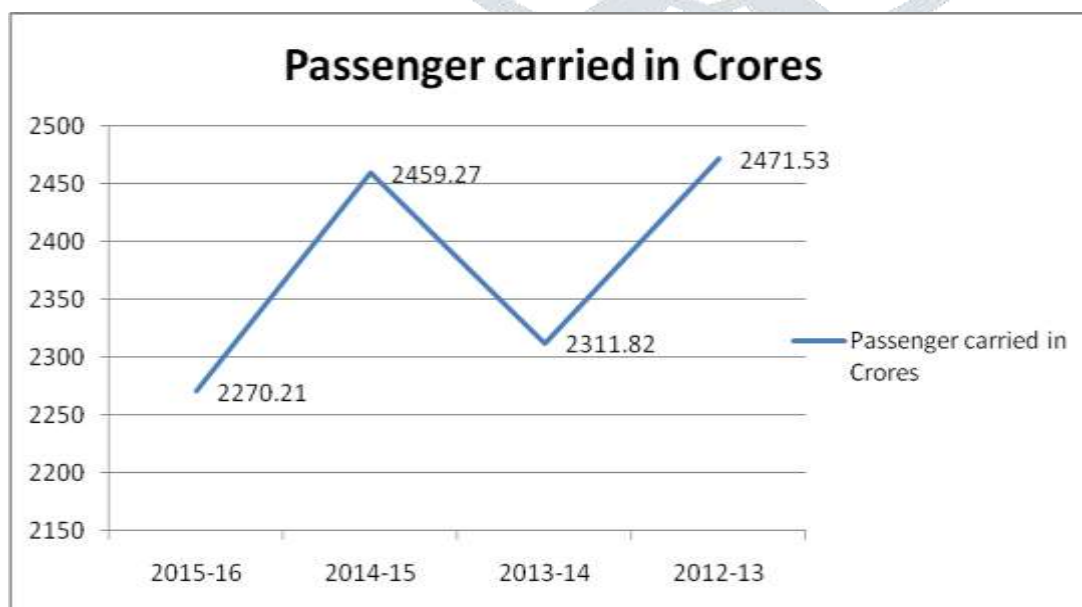
### TOTAL PASSENGER CARRIED OF STATE TRANSPORT UNDERTAKING S FROM LAST FOUR YEARS:

Table No:5

Sr.No	Year	Passenger carried in Crores
1	2015-16	2270.21
2	2014-15	2459.27
3	2013-14	2311.82
4	2012-13	2471.53
5	Total	9512.83

(fig.in crores)

From above table, it is observed that total passenger carried from last four years i.e. from 2015-16 to 2012-13 is 9512.83 crores. Passenger carried is decreased by 159.71 crores in 2013-14 as compared to previous year 2012-13. It is increased in next year i.e. 2014-15 by 147.45 crores. Passenger carried is decreased by 189.06 in the 2015-16. Average passenger carried from last four years is 2378.20 from 2012-13 to 2015-16





**FINDINGS :**

- 1) Total carrying capacity of State transport undertakings from last four years i.e. from 2012-13 to 2015-16 is 323749.1 crores. Passenger carrying capacity of 2015-16 is 82384.56 .It is increased by 1293.09 crores as compared to previous year i.e.2014-15
- 2) Declining load factors due to competition. it faces competition from private bus operators and other private vehicles like Auto-Riksha etc. Declining of Load factors affecting on its financial performance of STUs.
- 3) Load factor of STU is highest 68.77 % in the year 2012-13 .Then it falling to 67.73% in the next year 2013-14.
- 4) Average passenger in kilometers from last four years is 54778.52 crores.
- 5) Passenger load of State Transport Undertakings is increased to 0.03 from 2012-13 to 2013-14 .It is decreased to 0.88 in the year 2014-15 .
- 6) Passenger carried is decreased by 159.71 crores in 2013-14 as compared to previous year 2012-13. It is increased in next year i.e. 2014-15 by 147.45 crores.

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