



## Geographical Study of Transportation Network in Jalna District

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### Introduction:

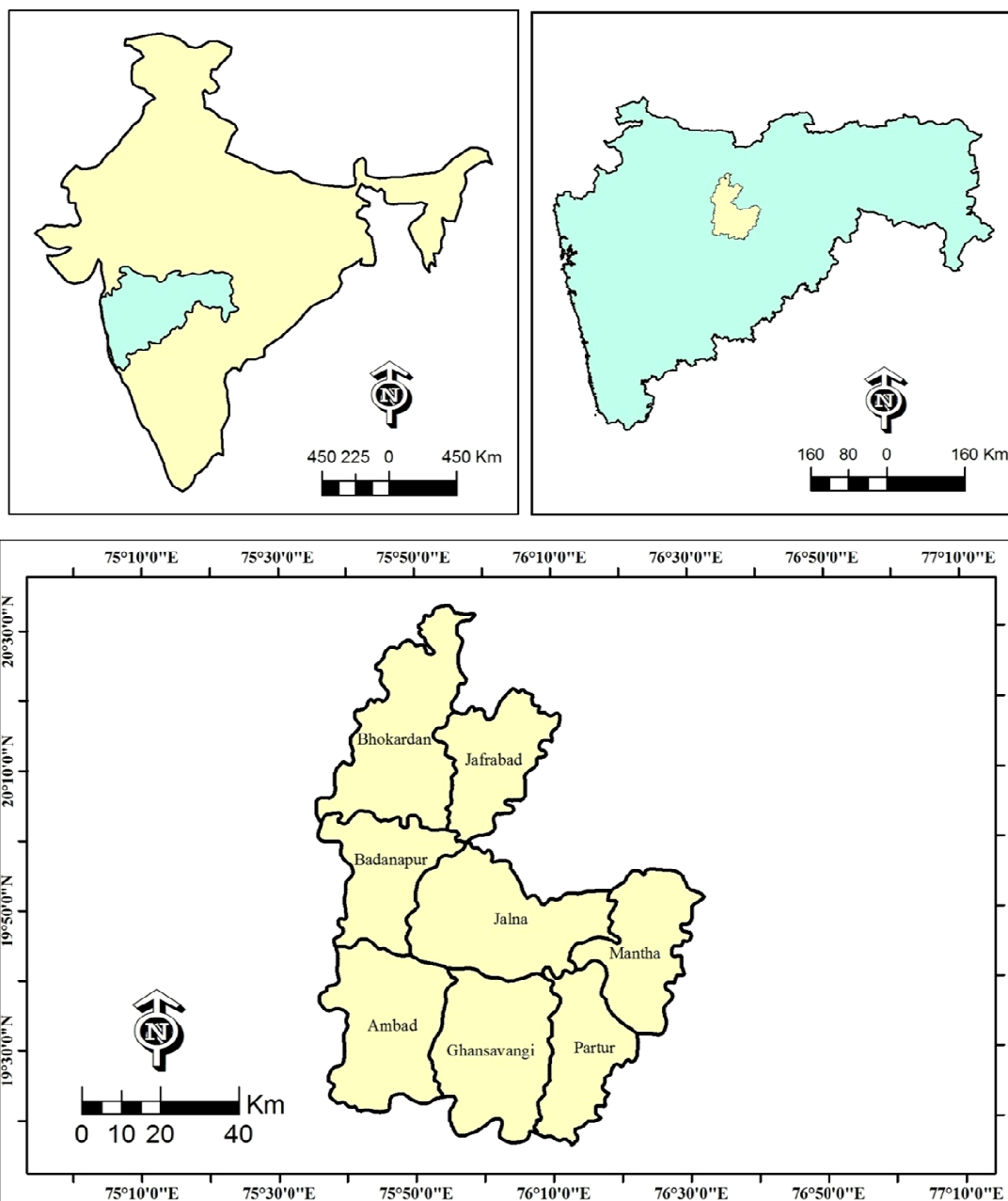
Transport facilities play a significant role in the development of a region. Transportation also plays an important role in the distribution of population. Population densities are observed to be high in low-lying flat areas and coastal plains due to ease of transportation and density of population is observed to be low in hilly areas. Transportation facilities increase mobility, expand trade and commerce, and minimize the difficulties of movement. With the development of the modern transport system, urban growth is concentrating in large cities and towns.

***Keywords: Transport, Infrastructure, Development***

### Study Area:

For the study, Jalna district has been selected. The district is located in the central part of Marathwada region in Maharashtra State. It is located between 19°15' and 20°32' North latitudes and 75°36' to 76°45' east longitudes. The north-south extension of Jalna district is 150 Kms and east-west stretch of the district is 110 kilometers. Jalna district has a significant location on the Deccan plateau. Except Ajanta and Satamala range and river basins, majority part of the district comes under plateau region. The region has major portion under flat topography, hence it supports high concentration of population. Jalna district comprising 8 tahsils, 4 sub-divisions and eight panchayat samities.

### Jalna District - Location Map



The geographical area of Jalna district is 7726 Sq. KMS. Out of the total geographical area, 98.07% is rural and 1.93% is urban. According to census 2011 the total population of Jalna district was 19,59,046. Out of this total population, the male population was 10,11,473 whereas women population was 9,47,573. Sex ratio of district was 937 as per 2011 census.

**Objectives:**

- 1) To Study the transportation pattern of study area.
- 2) To find out the variation in transportation categories in the study region..

**Database & Methodology:**

For the present study secondary data has been considered. The data upto 2011 has been used. The information regarding transport categories has been collected from the district census handbook, socio economic analysis yearly book, Aurangabad region and office of public works department department in Jalna district. The statistical information has been organized in the table upto 2011 and the variation has been shown accordingly.

**Analysis:**

The Jalna district is located in the central part of Marathwada region in Maharashtra State. Total length of transport system in the district is about the 4030 kms. Table 1 shows the transport network pattern in Jalna district.

Table No. 1

**Transport Network Pattern in Jalna District ( Year 2011)**

<b>Sr. No.</b>	<b>Types of Roads</b>	<b>Length in K.M.</b>	<b>% to total</b>
1	Railway Track	88	2.18
2	National Highway	29	0.72
3	State Highway	1120	27.79
4	District Roads	946	23.47
5	Rural Roads	1116	27.69
6	Other District Roads	731	18.14
District Total		4030	100

Source: Jalna District Socio-Economic Abstract-2011





Table 1 reveals that, the district has no long vicinity of National Highways. National Highway No. 211 passes through Ambad tahsil only with the length of 29 kms. This highway indicates as border line as national highway between Aurangabad and Jalna district.

Since Jalna district is located in the central part of Marathwada region and also in the Maharashtra state, there are several state highways passes through the district. Some important state highways are Nashik- Jalna- Ardhapur- Pattagdam Road, Pune – Ahmadnagar – Aurangabad- Jalna- Nanded road, Ahamednagar- Shevgaon- Pathri- Vasmata road, Malkapur- Solapur road, Kannad- Sillod- Devalgaon Raja road, Mehkar- Lonar- Mantha road, Aurangabad- Jalna- Navha- Shindkhed Raja road, Jalna- Bhokardan- Sillod- Jalgaon road, Jalna- Ambad- Paitahn road, Aurangabad- Wadigodri road. These roads proves very beneficial for the industrial development of the district.

In the rural areas of the district there is an improvement in respect of deep-rooted road facility. In 2001, strength of such village were 649, it increased with 182 in 2011. In this district all the villages are accessible and are connected by a deep-rooted or temporary road one or the other main or important road. In this district 27.69% of the villages have deep-rooted approach road.

The railway track passes through the Jalna city in the district. Jalna city is the important railway station on the route of railway track of South Central Railway. Recently the central government of India has announced to the station



in the scheme of Ideal Railway Station, which will be very beneficial for the development of railway station.

There is 88 kms railway track in the district. The railway track passes through Badanapur- 19 kms, Jalna- 37 kms, Ghansawangi- 10 kms, and Partur- 22 kms.

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