Demographic Status of Bawal Municipal Area of Rewari District

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ABSTRACT

After development in NCR Region since 1980, an industrial hub started in NCR region. Total area of this Municipal area is 3.6 kilometer having a population of 16776. It was analyzed that in this MC area growth of population was not increased at very fast rate because of the nearest town or administrative city Rewari. It was also found that good network connectivity from Rewari to Bawal and Mahendergarh to Bawal reduce the burden of population to this MC areas. Growth trends of urbanization from 1991 to 2011 was 0.46 percent which decreased as per projected population of Bawal MC by 2 percent and estimated growth for the period of 2021 to 2031 will be 0.24 percent.

Keywords: Urbanization, demography built-up, migration

INTRODUCTION

It was observed many tremendous changes in Delhi NCR area after 1990s, because of push factor from National Capital Territory (NCT) Delhi to towards Alwar - Bhartpur districts of Rajasthan, Delhi to Saharanpur in Uttar Pradesh, Delhi to Jhajjar, Delhi to Sonepat and Delhi to Rewari - Mahendergarh in Haryana state. The main reason for this push factor was to reduce the burden of Delhi, originated by overcrowded population by migration, employment, industrial sector and other ancillary activities.

Urbanization is the process by which large number of people concentrated in or adjacent small area of major market place or any economic activity such as industry, religious place, tourist place, food processing unit, commercial agriculture site etc.

Colmer (n.d.), defined the urbanization, growth, development and evidence in India and its implication to research urban hierarchy and the spatial distribution. It was assessed that from 1950 to 2010, global urbanization increased from 30 percent to 50 percent. World's 50 percent working population are originated from India. It was also studied that CBD (Central Bossiness District) plays an important role in the growth of a city.
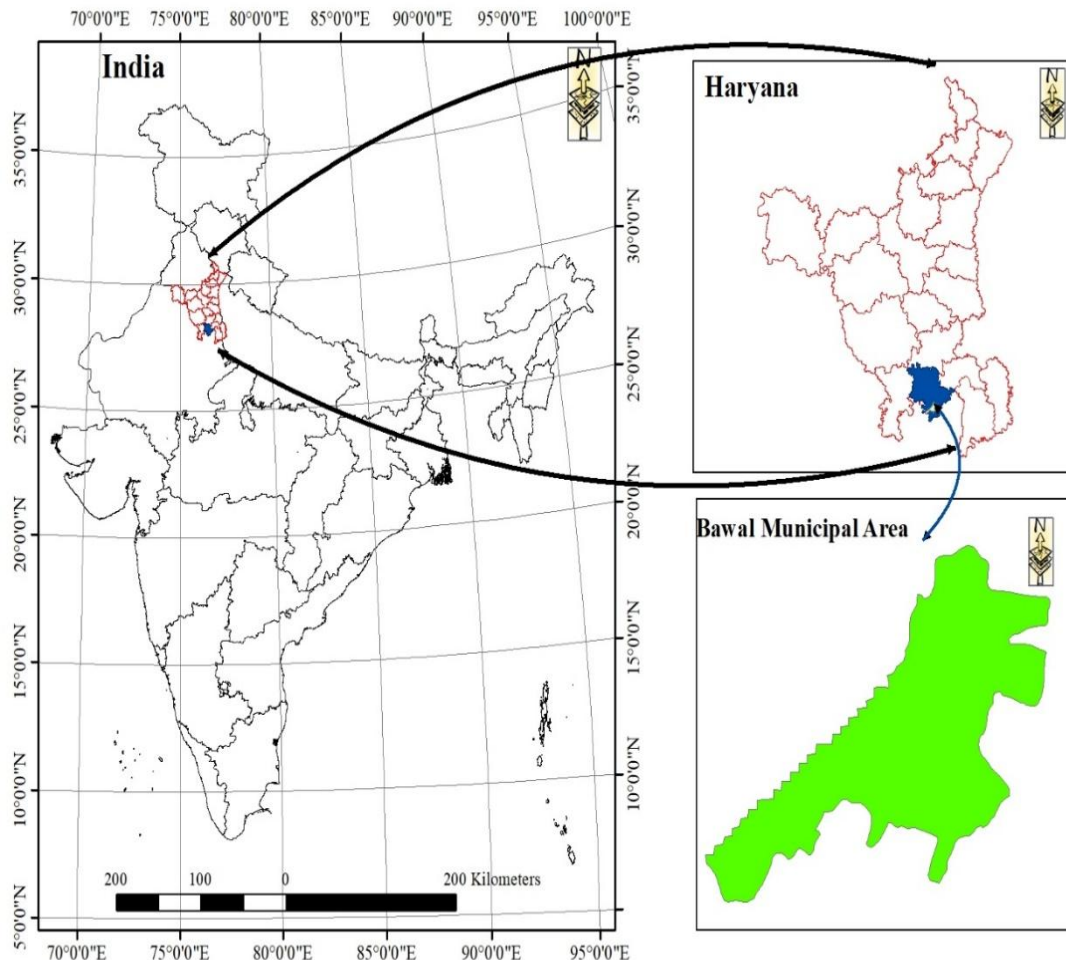
Datta, (2006), studied the trend and volume of urbanization in India on the basis of urban and rural population of India by residence. Degree of urbanization and the problems of urbanization, policy and redirection of migration for balanced urban planning.

Jaysawal, (2014), researched on slums and associated problems in India affected by unbalanced urbanization in India. In this research work, problems of cities originated because of urbanization such as water supply, environmental issues, water and sewage issue, dumping of garbage etc.

Clemente et. al. (2021), researched on impact of urbanization on economic complexity and specifically concerned with exports diversification and urbanization and urban fitness trends by using urban fitness index for Indian and Chinese cities.

Study Area
Bawal Municipal Area (MCA) is located in Rewari district in southern part of Haryana state and covered total area 3.60 sq. km. Geographical location of Bawal MCA extended from 28°8'1.359" N to 28°1'44.273" N latitude and from 76°30'14.717" E to 76°36'18.328" E longitude.

Figure 1: *Study Area Map*

Data used and methodology

Census data was used to present the demographic status of Bawal MCA, Simple representative methods of graphic such as diagram and graphs were used in this research paper and other research related ancillary datasets and reports were incorporated during this research work. It is located in the south of Rewari district and distance between Rewari and Bawal is 10 to 11 km.

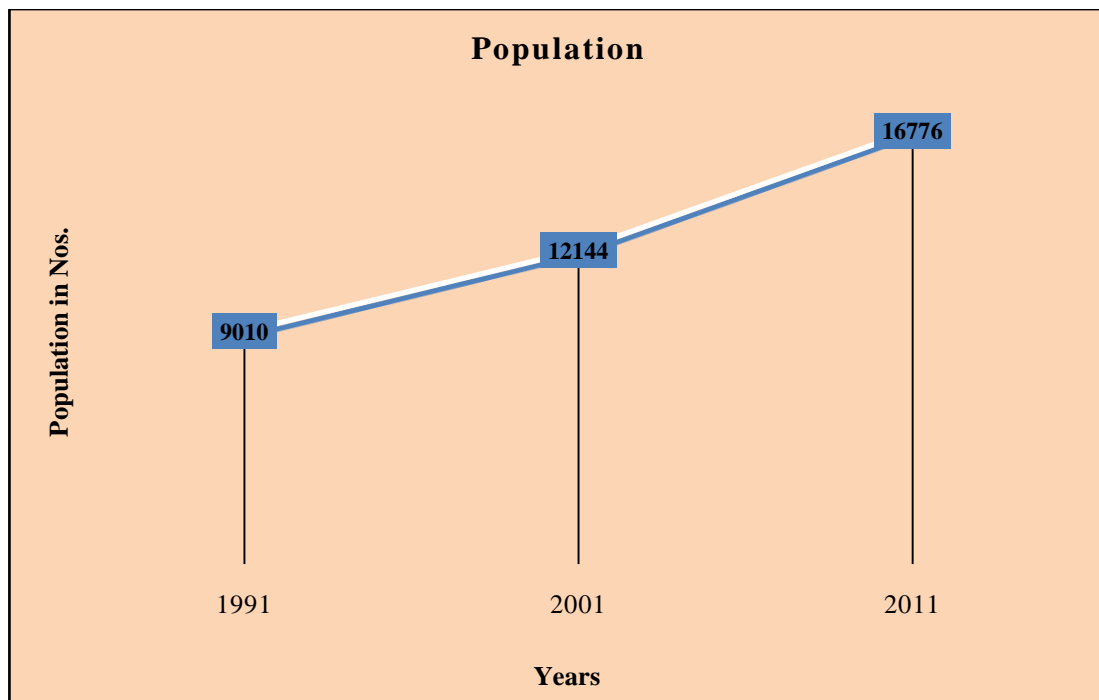**RESULT ANALYSIS AND DISCUSSION**

It was found that the demography of Bawal MCA increased not in rapid rate but in a sustainable way since 1991 to 2011 as given in this research work.

Table 1: *Decadal Population Distribution in Bawal MCA*

Sr. No.	Year	Population	Growth Rate (%)
1	1991	9010	
2	2001	12144	0.26
3	2011	16776	0.28

Source: Census 1991, 2001 and 2011

Population trends of Bawal MCA was showing in figure 2 that it was continuous increased from 1991 to 2011 in a positive way. It was 9010 number of people in 1991 which increased by 0.46 percent in 2011 (16776) as given in figure 2.

Source: Census 1991, 2001 and 2011

Figure 2: *Population Trends of Bawal MCA from 1991 to 2011*

Ward-wise Population Distribution

Ward wise urban population distribution of Bawal MCA was given in table 2 as following

Table 2: *Ward-wise Population Distribution in Bawal MCA, 2011*

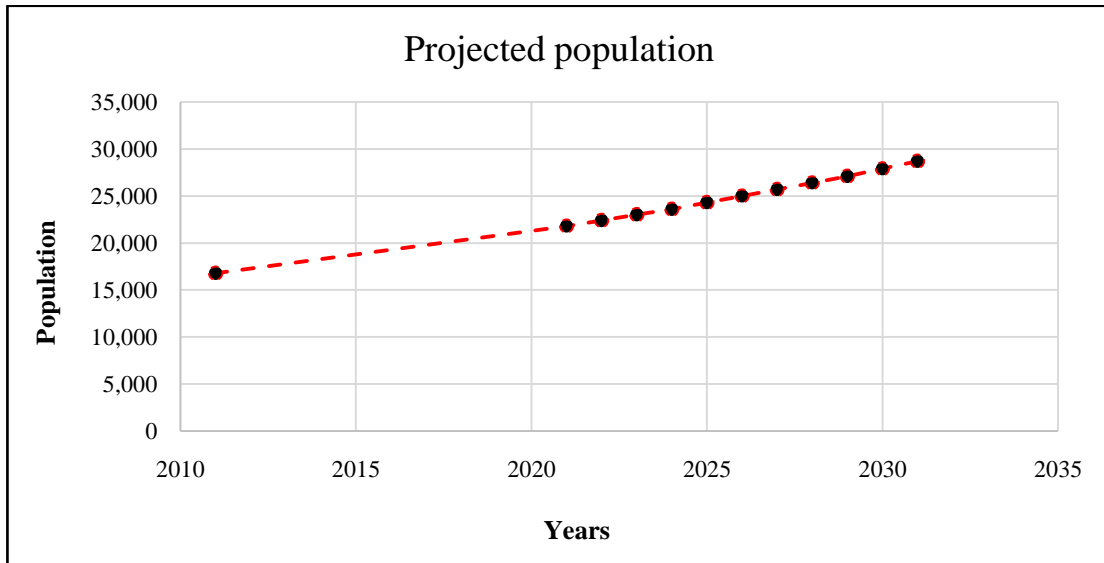| Total Population			
Ward No	*Persons*	*Males*	*Females*
Total Population	**16,776**	**8,828**	**7,948**
Ward 1	1,290	692	598
Ward 2	1,110	572	538
Ward 3	697	375	322
Ward 4	974	528	446
Ward 5	1,330	706	624
Ward 6	1,297	660	637
Ward 7	1,281	671	610
Ward 8	1,435	737	698
Ward 9	1,521	789	732
Ward 10	1,427	763	664
Ward 11	800	409	391
Ward 12	1,258	665	593
Ward 13	2,356	1,261	1,095

Source: District Census Handbook, 2011

It was found that ward no 13 contained majority of urban population and adjacent to the market area as found at the time of the field work of Bawal MCA. Second leading urbanized ward areas were 9, 10, 8 and 5 where population was in between 1300 to 1500 as given in table 1. It was also studied that ward number 3 and ward number 11 was less populated areas of the Bawal MCA as given in table 1.

Projected Urban Population Trends

Projected population trends of Bawal presented in table 1 and the figure 3. It was analysed that population from 2011 to 2021 increased in a rapid manner as given in table 1 and researched that expected growth rate was 0.23 percent in the period 2011 to 2021, and it will be 0.02 percent growth rate for 2021 to 2022.

It was also projected population growth rate will be 0.24 percent for the period of 2021-2031. It was also observed that increasing of population will be in a sustainable way in Bawal MCA if there will not be any extreme changes observed in coming years.

Source: Based on table 2

Figure 3: *Projected urban population of Bawal Municipal Area*

Table 3: *Projected Population of Bawal MCA from 2011 to 2031*

Sr. No.	Year	Projected population
1.	2011	16,776
2.	2021	21,800
3.	2022	22,400
4.	2023	23,000
5.	2024	23,600
6.	2025	24,300
7.	2026	25,000
8.	2027	25,700
9.	2028	26,400
10.	2029	27,100
11.	2030	27,900
12.	2031	28,700

Source: https://www.census2011.co.in/data/town/800426-bawal-haryana.html (accessed on 16/03/2023)

Figure 3 revealed that trends of changing paradigm of urban population of Bawal MCA is increasing smoothly, there was observed no high peak and low valley during the research trend analysis. The present research work found that growth trend of the population is minimum in this MC area of Bawal and per year will be increased by 1000 per year.

CONCLUSION

It was concluded that Bawal MCA was less populated MC area because of the nearest city Rewari (10 kilometers) and most of the working population travelled from Rewari city to Bawal MCA because there is good transport network system in between the Bawal Industrial hub and the Rewari City and Bawal to Mahendergarh.

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