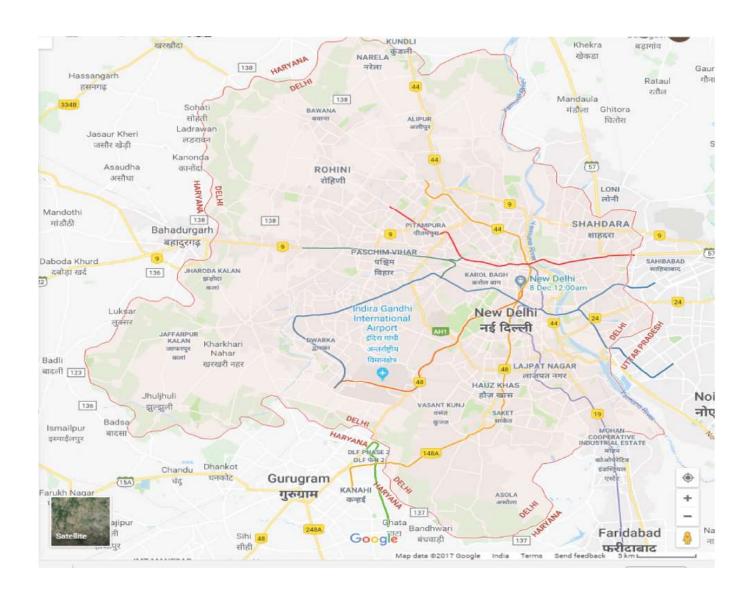
## **CHAPTER 2**

# **DEMOGRAPHIC PROFILE**

### Area

Delhi is a capital city of the Republic India and officially known as the National Capital Territory of Delhi. It is bordered by Haryana on three sides and by Utter Pradesh to the east. It is located at North Latitude from 28.24 – 28.50 degree and East Longitude from 76.50 - 77.20 degree. Delhi covers an area of 1483 Sq. Km. of which 369.35 sq. Km. is designated as Rural and 1113.65 Sq. Km. as Urban which makes it the largest city in terms of area in the country. It has a length of 51.9 km and breadth of 48.48 Km. Delhi has 11 districts with 33 Tehsils / Sub Divisions. Two prominent features of Delhi is the Yamuna flood plains and the Ridge. It is located in India's seismic zone-iv, indicating it's vulnerability to major earthquakes.



## 1.1 Demographic Trends:

Delhi is one of the fastest growing cities in the country. Due to rapid pace of urbanization, landscape of Delhi has undergone a change from majority of rural area to urban.

The rural-urban areas change during the last three censuses in Delhi is depicted in Statement 2.1:

## Statement 2.1

#### **AREA - RURAL AND URBAN**

| S. No. | S. No. Classification of Area |         | 1991   |         | 2001   |         | 2011   |  |
|--------|-------------------------------|---------|--------|---------|--------|---------|--------|--|
|        | Alea                          | Sq. Km  | %      | Sq. Km  | %      | Sq. Km  | %      |  |
| 1.     | Rural                         | 797.66  | 53.79  | 558.32  | 37.65  | 326.44  | 22.01  |  |
| 2.     | Urban                         | 685.34  | 46.21  | 924.68  | 62.35  | 1156.56 | 77.99  |  |
| 3.     | Total                         | 1483.00 | 100.00 | 1483.00 | 100.00 | 1483.00 | 100.00 |  |

Source: Census of India, 1991, 2001 & 2011

2. The growth in urban area during 2001-2011 was observed at 20.44 per cent. This pace of urbanization has reduced the number of rural villages in Delhi from 300 in 1961 to 165 in 2001 and 112 in 2011. The number of urbanized villages has increased from 20 in 1961 to 135 in 2011. The number of census towns has increased from 3 in 1971 to 29 in 1991 and 110 in 2011. Thus more and more rural villages of Delhi are being declared Census Towns in each successive Census resulting in decreasing rural population and rural area in Delhi.

# 3. Population

3.1 Population Census is the only source providing comprehensive data on population characteristics carried out decennially by Govt. of India in collaboration with states. The first synchronous census in India was held in 1881. Latest census, 15<sup>th</sup> in the series, was conducted in 2011 and as per this census, population of Delhi , as on 1<sup>st</sup> March, 2011, was 16.78 million as against 13.85 million as on 1<sup>st</sup> March, 2001. According to census 2011 about 97.50 per cent of the population of Delhi lives in urban areas and remaining 2.5 percent in rural areas. This urban population includes population of 110 Census towns in 2011 Census. As per Revenue Department record these census towns are located in rural area of Delhi and they are not part of notified urban area of Delhi.

# 4. Growth of Population

4.1 The population of Delhi and India and its growth during the last six decades is presented in Statement 2.2.

#### POPULATION OF INDIA AND DELHI & ITS GROWTH DURING 1951-2011

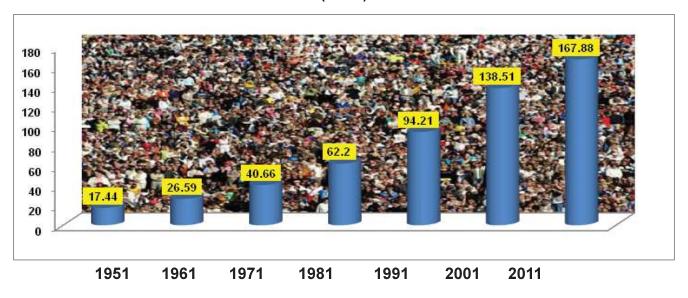
(Lakh)

| S.  | Years | Del        | hi            | Indi       | ia            | Share of Delhi's           |
|-----|-------|------------|---------------|------------|---------------|----------------------------|
| No. |       | Population | Growth<br>(%) | Population | Growth<br>(%) | Population in All<br>India |
| 1.  | 1951  | 17.44      |               | 3610.88    |               | 0.48                       |
| 2.  | 1961  | 26.59      | 52.44         | 4392.35    | 21.64         | 0.61                       |
| 3.  | 1971  | 40.66      | 52.93         | 5481.60    | 24.80         | 0.74                       |
| 4.  | 1981  | 62.20      | 53.00         | 6833.29    | 24.66         | 0.91                       |
| 5.  | 1991  | 94.21      | 51.45         | 8464.21    | 23.87         | 1.11                       |
| 6.  | 2001  | 138.51     | 47.02         | 10287.37   | 21.54         | 1.35                       |
| 7.  | 2011  | 167.88     | 21.20         | 12108.55   | 17.70         | 1.39                       |

Source: - Census of India (Primary Census Abstract 2011).

- 4.2 The decadal growth rate of population during 2001-2011 was recorded at 21.2 per cent. This is a peculiar feature of Census 2011 of Delhi as in all Census since 1951, the decadal growth rate of population was more than 50% and 47% in 2001. This trend may be attributable to implementation of various employment promotion programmes like MNREGA and welfare schemes like pension to senior citizens and widows by Central and State Governments on the one hand and development of NCR priority towns viz. Gurgaon, Faridabad, Sonipat, Noida, Ghaziabad, Meerut etc. contributing in reducing the migration to Delhi. The rate of growth of population in Delhi during the last decade was higher than the national level by 3.5 per cent. Delhi accounts about 0.05 per cent of the India's geographical area but consists 1.39 per cent of the nation's population.
- 4.3 It may be observed from Statement 2.2 that the percentage of Delhi's population to the national level enhanced from 0.48 per cent in 1951 to 1.39 per cent in 2011. The rate of growth of population in Delhi was highest during 1971-81 at 53.00 per cent. The annual rate of growth of population in Delhi during the last decade was 2.12 per cent per annum which was higher than the national level of 0.35 per cent per annum. The population in Delhi during 1951-2011 is depicted in Chart 2.1.

Chart 2.1
POPULATION OF DELHI: 1951-2011
(Lakh)



# 5. District-wise Population

5.1 At the time 1991 census of Delhi was a single district Territory. In 1996, Government of NCT of Delhi, through a Gazette notification, created 9 districts and 27 sub-divisions. Population Census 2001 was conducted in each of 9 districts and 27 Sub-divisions. The district-wise population of NCT Delhi during the census 2001 and 2011 is presented in Statement 2.3.

Statement 2.3

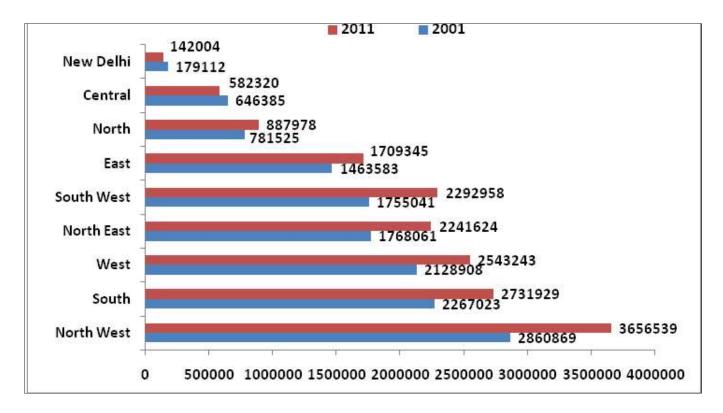
DISTRICT-WISE POPULATION OF NCT DELHI: 2001 & 2011

| S.  | Districts  |          | 2001     |      | 2011     |          |      |  |
|-----|------------|----------|----------|------|----------|----------|------|--|
| No. |            | Number   | Per cent | Rank | Number   | Per cent | Rank |  |
| 1.  | North West | 2860869  | 20.65    | 1    | 3656539  | 21.78    | 1    |  |
| 2.  | South      | 2267023  | 16.37    | 2    | 2731929  | 16.27    | 2    |  |
| 3   | West       | 2128908  | 15.37    | 3    | 2543243  | 15.15    | 3    |  |
| 4   | North East | 1768061  | 12.77    | 4    | 2241624  | 13.35    | 5    |  |
| 5.  | South West | 1755041  | 12.67    | 5    | 2292958  | 13.66    | 4    |  |
| 6.  | East       | 1463583  | 10.57    | 6    | 1709345  | 10.18    | 6    |  |
| 7.  | North      | 781525   | 5.64     | 7    | 887978   | 5.29     | 7    |  |
| 8.  | Central    | 646385   | 4.67     | 8    | 582320   | 3.47     | 8    |  |
| 9.  | New Delhi  | 179112   | 1.29     | 9    | 142004   | 0.85     | 9    |  |
|     | Total      | 13850507 | 100.00   |      | 16787941 | 100.00   |      |  |

Source: - Census of India (Primary Census Abstract 2011).

5.2 It is evident from Statement 2.3 that more than 53 per cent of the population of Delhi in 2011 lived in three districts viz. North-west, South and West districts of Delhi. The district-wise population of Delhi in 2001 and 2011 is depicted in Chart 2.2

Chart 2.2
DISTRICT-WISE POPULATION OF DELHI-2001 & 2011



## 6. Sex Ratio

6.1 Sex ratio is a very important demographic indicator for analyzing Socio Economic features of population. It is the ratio of females per thousand male population. As per 2011 census, the sex ratio of Delhi was 868. During the last decade sex ratio in Delhi increased from 821 in 2001 to 868 in 2011. In order to overcome this critical situation both at the national and state level, various stringent actions against female foeticide and complete abolition of sex determination practices during the pregnancy period have been introduced and implemented. The district-wise sex ratio of NCT Delhi in 2001and 2011 is presented in Statement 2.4.

Statement 2.4

DISTRICT-WISE SEX RATIO OF NCT DELHI DURING 2001 &2011

| S. No. | Districts  | Sex Ratio |      |      |      |  |
|--------|------------|-----------|------|------|------|--|
|        |            | 2001      | Rank | 2011 | Rank |  |
| 1.     | North East | 849       | 1    | 886  | 2    |  |
| 2.     | East       | 843       | 2    | 884  | 3    |  |
| 3      | Central    | 842       | 3    | 892  | 1    |  |
| 4      | West       | 830       | 4    | 875  | 4    |  |
| 5.     | North      | 826       | 5    | 869  | 5    |  |
| 6.     | North West | 820       | 6    | 865  | 6    |  |
| 7.     | South      | 799       | 7    | 862  | 7    |  |
| 8.     | New Delhi  | 792       | 8    | 822  | 9    |  |
| 9.     | South West | 784       | 9    | 840  | 8    |  |
|        | Delhi      | 821       |      | 868  |      |  |

Source: - Census of India (Primary Census Abstract 2011).

6.2 In most of the Northern States in India, sex ratio indicated a critical situation as per 2001 and 2011 censuses. Sex ratio of northern states as per 2001 and 2011 Census is presented in Statement 2.5.

Statement 2.5
SEX RATIO OF NORTHERN STATES IN INDIA- 2001& 2011

| S.  | States            | Sex Ratio |      |  |
|-----|-------------------|-----------|------|--|
| No. |                   | 2001      | 2011 |  |
| 1.  | Jammu and Kashmir | 892       | 889  |  |
| 2.  | Himachal Pradesh  | 968       | 972  |  |
| 3   | Punjab            | 876       | 895  |  |
| 4.  | Chandigarh        | 777       | 818  |  |
| 5   | Uttarakhand       | 962       | 963  |  |
| 6.  | Haryana           | 861       | 879  |  |
| 7.  | Rajasthan         | 921       | 928  |  |
| 8.  | Uttar Pradesh     | 898       | 912  |  |
| 9.  | Delhi             | 821       | 868  |  |
|     | India             | 933       | 943  |  |

Source: - Census of India (Primary Census Abstract 2011).

6.3 The total number of births registered in Delhi under Civil Registration System (CRS) is presented in Statement 2.6.

Statement 2.6
BIRTHS REGISTERED UNDER CRS – SEX-WISE.

| S.  | Years |        | Births            |                | Sex Ratio |
|-----|-------|--------|-------------------|----------------|-----------|
| No  |       | Total  | Male              | Female         |           |
| 1.  | 2001  | 296287 | 163816<br>(55.29) | 132471 (44.71) | 809       |
| 2.  | 2002  | 300659 | 164184<br>(54.61) | 136475 (45.39) | 831       |
| 3.  | 2003  | 301165 | 165173<br>(54.84) | 135992 (45.16) | 823       |
| 4.  | 2004  | 305974 | 167849<br>(54.86) | 138125 (45.14) | 823       |
| 5.  | 2005  | 324336 | 178031<br>(54.89) | 146305 (45.11) | 822       |
| 6.  | 2006  | 322750 | 176242<br>(54.61) | 146508 (45.39) | 831       |
| 7.  | 2007  | 322044 | 174289<br>(54.12) | 147755 (45.88) | 848       |
| 8.  | 2008  | 333908 | 166583<br>(49.89) | 167325 (50.11) | 1004      |
| 9.  | 2009  | 354482 | 185131<br>(52.22) | 169351 (47.78) | 915       |
| 10. | 2010  | 359463 | 189122<br>(52.61) | 170341(47.39)  | 901       |
| 11  | 2011  | 353759 | 186870<br>(52.82) | 166889 (47.18) | 893       |
| 12  | 2012  | 360473 | 191129<br>(53.02) | 169344 (46.98) | 886       |
| 13  | 2013  | 370000 | 195226<br>(52.76) | 174774 (47.24) | 895       |
| 14  | 2014  | 373693 | 197078<br>(52.73) | 176615 (47.26) | 896       |
| 15  | 2015  | 374012 | 197080<br>(52.69) | 176932 (47.31) | 898       |
| 16  | 2016  | 379161 | 199358<br>(52.58) | 179738 (47.40) | 902       |

Source: -Annual Report on Registration of Births and Deaths, 2016, Directorate of Economics and Statistics, Delhi.

- 6.4 Sex ratio as per the birth registered in Delhi under Civil Registration System (CRS) indicate a positive picture, enhanced from 809 in 2001 to 902 in 2016. The increase in sex ratio during 2005 to 2008 may be linked to the introduction of a number of schemes for empowerment of women and welfare of children by the Government of NCT of Delhi.
- On the basis of projected of Population for the year 2014 and 2015, the sex ratio (per 100

## POPULATION OF SELECTED NATIONS

(Number)

| S. No. | Nations            | 2014          | 2015          | Sex Ratio |
|--------|--------------------|---------------|---------------|-----------|
|        |                    |               |               |           |
| 1.     | China              | 1,393,783,836 | 1,401,586,609 | 92.86     |
| 2.     | India              | 1,267,401,849 | 1,282,390,303 | 93.47     |
| 3.     | USA                | 322,583,006   | 325,127,634   | 103.11    |
| 4.     | Indonesia          | 252,812,245   | 255,708,785   | 98.84     |
| 5.     | Brazil             | 202,033,670   | 203,657,210   | 103.51    |
| 6.     | Pakistan           | 185,132,926   | 188,144,040   | 94.57     |
| 7.     | Russian Federation | 142,467,651   | 142,098,141   | 116.98    |
| 8.     | Bangladesh         | 158,512,570   | 160,411,249   | 97.92     |
| 9.     | Japan              | 126,999,808   | 126,818,019   | 105.72    |
| 10     | Nigeria            | 178,516,904   | 183,523,432   | 96.35     |
| 11.    | United Kingdom     | 63,489,234    | 63,843,856    | 102.70    |
| 12.    | Sri Lanka          | 21,445,775    | 21,611,842    | 105.04    |
| 13.    | South Africa       | 53,139,528    | 53,491,333    | 105.77    |
|        | World              | 7,243,784,121 | 7,324,782,255 | 98.33     |

http://statisticstimes.com/population/countries-by-sex-ratio.php

# 7. Density of Population

7.1 Population density is an often reported and commonly compared statistics for places all over the world. Population density is the measure of the number of population per unit area. It is commonly represented as people residing per square kilometer. As per 2011 census, the density of population in Delhi worked out at 11320 persons per square kilometer as against the national level of 382 persons per square kilometer. Density of population in Delhi was the highest among all States and Union Territories during the year 2011. District-wise density of population in Delhi in 2001and 2011 is presented in Statement 2.8.

Statement 2.8

DISTRICT-WISE POPULATION DENSITY OF NCT DELHI: 2001 AND 2011

| S.  | Districts  | Р      | Population Density (Persons per Sq. Km) |       |      |  |  |  |
|-----|------------|--------|---|-------|------|--|--|--|
| No. |            | 2001   | Rank                                    | 2011  | Rank |  |  |  |
| 1.  | North East | 29,468 | 1                                       | 36155 | 1    |  |  |  |
| 2.  | Central    | 25,855 | 2                                       | 27730 | 2    |  |  |  |
| 3   | East       | 22,868 | 3                                       | 27132 | 3    |  |  |  |
| 4   | West       | 16,503 | 4                                       | 19563 | 4    |  |  |  |
| 5.  | North      | 13,246 | 5                                       | 14557 | 5    |  |  |  |
| 6.  | South      | 9,068  | 6                                       | 11060 | 6    |  |  |  |
| 7.  | North West | 6,502  | 7                                       | 8254  | 7    |  |  |  |
| 8.  | New Delhi  | 5,117  | 8                                       | 4057  | 9    |  |  |  |
| 9.  | South West | 4,169  | 9                                       | 5446  | 8    |  |  |  |
|     | Delhi      | 9340   |   | 11320 |      |  |  |  |

Source: - Census of India, census 2011(Primary Census Abstract).

7.2 It is evident from Statement 2.8 that North East District ranks the first in terms of population density in Delhi at 36155 persons per Sq. Km and New Delhi ranks last district with population density at 4057 persons per Sq. Km. During the last decade the density of population in New Delhi showed a declining trend from 5117 persons per sq.km in 2001 to 4057 persons per sq. Km in 2011.

### 8. Household Size

8.1 Number of persons living together in one house commonly called as household size. As per 2011 census, there were 3340538 households in Delhi. The average size of household in Delhi was found of 5.02. It indicates that in one house there had more than five persons. More than one half of the households had more than five members during the year 2011. The distribution of households by size in Delhi in 2001 and 2011 are presented in Statement 2.9.

DISTRIBUTION OF HOUSEHOLDS BY SIZE IN DELHI- 2001 & 2011

| S.  | Size of Household    | No. of Ho | usehold | Per cent of total No. of<br>Household |        |  |
|-----|----------------------|-----------|---------|---------------------------------------|--------|--|
| No. |                      | 2001      | 2011    | 2001                                  | 2011   |  |
| 1.  | One member           | 99786     | 123106  | 3.90                                  | 3.70   |  |
| 2.  | Two members          | 206925    | 252370  | 8.10                                  | 7.60   |  |
| 3.  | Three members        | 295216    | 428403  | 11.56                                 | 12.80  |  |
| 4.  | Four Members         | 544289    | 803065  | 21.31                                 | 24.00  |  |
| 5.  | Five Members         | 506711    | 681142  | 19.84                                 | 20.40  |  |
| 6.  | Six to Eight Members | 680065    | 853773  | 26.63                                 | 25.60  |  |
| 7.  | Nine or more members | 221157    | 198679  | 8.66                                  | 5.90   |  |
|     | Total Households     | 2554149   | 3340538 | 100.00                                | 100.00 |  |

Source: -Census of India 2011.

## 9. Literacy Rate

9.1 As per the Census 2011, Delhi showed a high level of literacy i.e. 86.2 per cent as compared to 81.67 per cent in 2001 with the literacy rate of 90.9 per cent for males and 80.8 for females. The Rural and Urban literacy rates of Delhi were 81.9 and 86.3% respectively in 2011.

# 10. Age-wise Distribution of Population

10.1 The age-wise distribution of population is the best indicator of future human potential, the magnitude of responsibility of working population especially for taking care of children and their age-old parents. The information regarding the age-wise distribution of population in Delhi during the last two census periods is presented in Statement 2.10.

AGE-WISE DISTRIBUTION OF POPULATION IN DELHI: 1991, 2001 & 2011

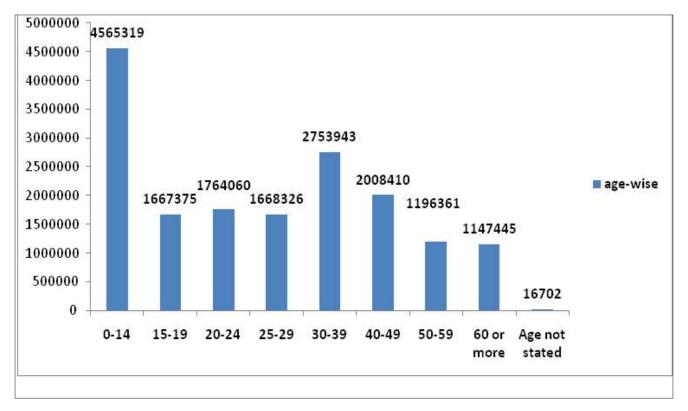
| S.  | Age Group           | 199     | )1          | 200      | 01       | 201      | 11       |
|-----|---------------------|---------|-------------|----------|----------|----------|----------|
| No. |                     | Number  | Per<br>cent | Number   | Per cent | Number   | Per cent |
| 1.  | 0-14                | 3273482 | 34.75       | 4492939  | 32.44    | 4565319  | 27.19    |
| 2.  | 15-19               | 914871  | 9.71        | 1427979  | 10.31    | 1667375  | 9.93     |
| 3.  | 20-24               | 982866  | 10.43       | 1426860  | 10.30    | 1764060  | 10.51    |
| 4.  | 25-29               | 956788  | 10.16       | 1358925  | 9.81     | 1668326  | 9.94     |
| 5.  | 30-39               | 1438035 | 15.26       | 2211006  | 15.96    | 2753943  | 16.40    |
| 6.  | 40-49               | 867731  | 9.21        | 1432467  | 10.34    | 2008410  | 11.96    |
| 7.  | 50-59               | 504149  | 5.35        | 759505   | 5.48     | 1196361  | 7.13     |
| 8.  | 60 or more          | 439520  | 4.67        | 719650   | 5.20     | 1147445  | 6.83     |
| 9.  | Age not stat-<br>ed | 43202   | 0.46        | 21176    | 0.15     | 16702    | 0.1      |
|     | Total               | 9420644 | 100.00      | 13850507 | 100.00   | 16787941 | 100.00   |

Source: -Census of India. Primary Census Abstract 2011

10.2 It may be observed from Statement 2.10 that one third of total population in Delhi during 2001 was in the category of children within the age group of 0 to 14 and the percentage change was recorded at a minimal rate. The condition was more or less same in all other age-wise categories either at positive in one group or at negative in consecutive age group. The information regarding age-wise distribution of Population of Delhi during 2001 is depicted in Chart 2.3.

Chart 2.3:

AGE-WISE DISTRIBUTION OF POPULATION IN DELHI 2011



# 11 Metro Cities Population

11.1 The population of metropolitan cities in India is presented in Statement 2.11.

Statement 2.11

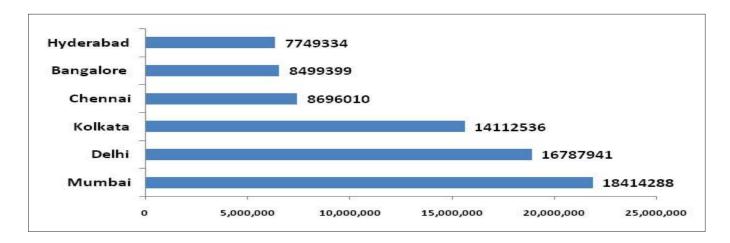
#### POPULATION OF SOME METROPOLITAN CITIES IN INDIA: 2001 & 2011

| S.  | Metropolitan | Populat    | ion (Number) | Ranks |      |
|-----|--------------|------------|--------------|-------|------|
| No. | Cities       | 2001       | 2011         | 2001  | 2011 |
| 1.  | Mumbai       | 16,434,386 | 18,414,288   | 1     | 1    |
| 2.  | Delhi        | 12,877,470 | 16,787,941   | 3     | 2    |
| 3.  | Kolkata      | 13,211,853 | 14,112,536   | 2     | 3    |
| 4.  | Chennai      | 6,560,242  | 8,696,010    | 4     | 4    |
| 5.  | Bangalore    | 5,701,456  | 8,499,399    | 6     | 5    |
| 6.  | Hyderabad    | 5,742,036  | 7,749,334    | 5     | 6    |

Source: - Census of India and Provisional Population census 2011.

11.2 It may be observed from Statement 2.11 that Delhi was placed at the third position during 2001 and came to second position during 2011. Population in Mumbai in 2001 was 16.43 million; 3.55 million higher than the Delhi's population. The difference between the population of Mumbai and Delhi in 2011 (census 2011) reduced to 2.1 million which clearly indicate the fast development of national capital city, Delhi. The population of metro cities in India during 2011 is depicted Chart 2.4.

Chart 2.4
POPULATION OF METRO CITIES IN INDIA-2011



11.3 As the population increases, more people will prefer to live in large cities. Many people will live in the growing cities with over 10 million inhabitants, known as megacities. Megacities were numbered 16 in 2000. By 2025, there will be 27 megacities. The top ten largest urban agglomerations of the world during 2000, 2011 and 2025(projected) are presented in Statement 2.12.

Statement 2.12

## TOP 10 LARGEST URBAN AGGLOMERATIONS: 2000, 2011 & 2025

(Million)

| S. | 200          | 0          | 20          | 011        | 2025 (pr    | ojected)   |
|----|--------------|------------|-------------|------------|-------------|------------|
| No | Cities       | Population | Cities      | Population | Cities      | Population |
| 1. | Tokyo        | 34.5       | Tokyo       | 37.2       | Tokyo       | 38.7       |
| 2. | Mexico City  | 18.0       | Delhi       | 22.7       | Delhi       | 32.9       |
| 3. | New York     | 17.9       | Mexico City | 20.4       | Shanghai    | 28.4       |
| 4. | Sao Polo     | 17.1       | New York    | 20.4       | Mumbai      | 26.6       |
| 5. | Mumbai       | 16.1       | Shanghai    | 20.2       | Mexico City | 24.6       |
| 6. | Shanghai     | 13.2       | Sao Polo    | 19.9       | New York    | 23.6       |
| 7. | Kolkata      | 13.1       | Mumbai      | 19.7       | Sao Polo    | 23.2       |
| 8. | Delhi        | 12.4       | Beijing     | 15.6       | Dhaka       | 22.9       |
| 9. | Buenos Aires | 11.9       | Dhaka       | 15.4       | Beijing     | 22.6       |
| 10 | Los Angels   | 11.8       | Kolkata     | 14.4       | Karachi     | 20.2       |

Sources: -1. United Nations, World Urbanization Prospects the 2011 Revision 2.http://www.un.org/en/development/desa/population/publications/pdf/urbanization/WUP2011\_Report.pdf

11.4 It may be observed from Statement 2.12 that three cities in India (Mumbai, Kolkata and Delhi) shown as the top ten largest urban agglomerations of the world during 2000 and 2011 (Mumbai, Delhi and Kolkata). In 2000 Kolkata ranked 7<sup>th</sup> largest urban agglomerations in the world. All the three period placed Tokyo in Japan first in terms of number of population in urban agglomerations. The information regarding the growth rate of population in largest urban agglomerations of the world during 2000-2011 is presented in Statement 2.13.

#### Statement 2.13

# GROWTH RATE OF POPULATION IN LARGEST URBAN AGGLOMERATIONS DURING

#### 2000-2011 & 2000-2025

| S.<br>No. | Name of<br>Cities | Ро   | pulation (n                  | Annual Growth Rate (Per cent) |           |               |  |
|-----------|-------------------|------|------------------------------|-------------------------------|-----------|---------------|--|
|           |                   | 2000 | <b>2011 2025</b> (projected) |                               | 2000-2011 | 2000-<br>2025 |  |
| 1.        | Tokyo             | 34.5 | 37.2                         | 38.7                          | 0.71      | 0.49          |  |
| 2.        | New York          | 17.9 | 20.4                         | 23.6                          | 1.27      | 1.27          |  |
| 3.        | Mexico City       | 18.0 | 20.4                         | 24.6                          | 1.21      | 1.47          |  |
| 4.        | Sao Polo          | 17.1 | 19.9                         | 23.2                          | 1.49      | 1.43          |  |
| 5.        | Kolkata           | 13.1 | 14.4                         | 18.7                          | 0.90      | 1.71          |  |
| 6.        | Mumbai            | 16.1 | 19.7                         | 26.6                          | 2.03      | 2.61          |  |
| 7.        | Delhi             | 12.4 | 22.7                         | 32.9                          | 7.55      | 6.61          |  |

Sources: - 1. United Nations, World Urbanization Prospects the 2011 Revision 2.http://www.un.org/en/development/desa/population/publications/pdf/urbanization/WUP2011\_Report.pdf

11.5 It may be observed from Statement 2.13 that highest annual growth rate of population during 2000-2011 and projected growth rate during 2000-2025 was recorded highest in Delhi at 7.75 per cent and 6.61 per cent per annum respectively. While Mumbai and Kolkata recorded second and third positions during the period. The attributes towards highest growth of population in Delhi may be due to higher rate of migration of people from neighboring states as well as from other parts of the nation.

#### 12. Urban- Rural Scenario in Delhi

12.1 At the beginning of 21<sup>st</sup> century, more than 93 per cent of the population was in urban areas as compared to 53 per cent in 1901. This clearly indicates fast growth of urbanization in the national capital. The information regarding the urbanization trend in Delhi during the century is presented in Statement 2.14.

## **URBANIZATION TREND OF DELHI DURING 1901-2011**

| S.  | Census Year | Population ( | Number)  |                           | Growth (Per cent) |      |  |
|-----|-------------|--------------|----------|---------------------------|-------------------|------|--|
| No  |             | Total        | Urban    | % of<br>urban to<br>total | Decadal           | AEGR |  |
| 1   | 1901        | 405819       | 214115   | 52.76                     |                   |      |  |
| 2   | 1911        | 413851       | 237944   | 57.50                     | 11.13             | 1.1  |  |
| 3   | 1921        | 488452       | 304420   | 62.32                     | 27.94             | 2.5  |  |
| 4   | 1931        | 636246       | 447442   | 70.33                     | 46.98             | 3.9  |  |
| 5   | 1941        | 917939       | 695686   | 75.79                     | 55.48             | 4.4  |  |
| 6   | 1951        | 1744072      | 1437134  | 82.40                     | 106.58            | 7.3  |  |
| 7   | 1961        | 2658612      | 2359408  | 88.75                     | 64.17             | 5.0  |  |
| 8   | 1971        | 4065698      | 3647023  | 89.70                     | 54.57             | 4.4  |  |
| 9   | 1981        | 6220406      | 5768200  | 92.73                     | 58.16             | 4.6  |  |
| 10. | 1991        | 9420644      | 8471625  | 89.93                     | 46.87             | 3.8  |  |
| 11  | 2001        | 13850507     | 12905780 | 93.18                     | 52.34             | 4.2  |  |
| 12  | 2011        | 16787941     | 16368899 | 97.50                     | 26.83             | 1.92 |  |

Source: - Census of India Provisional Population Totals, NCT of Delhi Series 8, Paper 1 of 2011.

Note: - AEGR means Annual Exponential Growth Rate.

12.2 District-wise urban and rural population of NCT of Delhi during the last census is mentioned in Statement 2.15.

Statement 2.15

DISTRICT-WISE URBAN & RURAL POPULATION OF DELHI: 2011

| S.  | District   | Pop      | ulation (Numbe | er)      | % of Urban |  |
|-----|------------|----------|----------------|----------|------------|--|
| No. |            | Urban    | Rural          | Total    | Population |  |
| 1.  | North West | 3442589  | 213950         | 3656539  | 94.15      |  |
| 2.  | North      | 870232   | 17746          | 887978   | 98.00      |  |
| 3   | North east | 2220097  | 21527          | 2241624  | 99.04      |  |
| 4.  | East       | 1705816  | 3530           | 1709346  | 99.79      |  |
| 5.  | New Delhi  | 142004   |                | 142004   | 100.00     |  |
| 6.  | Central    | 582320   |                | 582320   | 100.00     |  |
| 7.  | West       | 2536823  | 6420           | 2543243  | 99.75      |  |
| 8.  | South West | 2149282  | 143676         | 2292958  | 93.73      |  |
| 9.  | South      | 2719736  | 12193          | 2731929  | 99.55      |  |
| 0   | Delhi      | 16368899 | 419042         | 16787941 | 97.50      |  |

Source: -Census of India and Primary census Abstract 2011

12.3 The Statement 2.15 indicates that two districts of Delhi has 100 percent of urban population namely in Central and New Delhi districts during the year 2011. All the remaining districts in Delhi had more than 90 per cent of the population lived in urban areas.

### 13 Vital Rates

- 13.1 Vital rates are perhaps the most widely used national, state, and local data generally includes birth, death and infant mortality rates. The information regarding vital rates (Both Civil Registration System and Sample Registration System) in Delhi is presented in Statement 2.16.
- 13.2 Civil Registration System is the legal recording of the occurrence of vital events (birth and death) through a network of government offices and designated officials, together with certain identifying or descriptive characteristics of the events on a continuous, permanent and compulsory basis. Civil Registration System also serves as the tool for measuring the changes in the population. In other words population census held once in a period of 10 years gives stock of population at a point of time whereas; Vital statistics presents the flow of population.

## **VITAL RATES IN DELHI: CRS AND SRS**

| S.  | Year | *Estimated             |       | Vital Rates (Per Thousand) |          |     |       |                          |  |
|-----|------|------------------------|-------|----------------------------|----------|-----|-------|--------------------------|--|
| No  |      | Mid Year<br>Population | Birth | Rate                       | te Death |     | l     | Infant Mortality<br>Rate |  |
|     |      | (Lakh)                 | CRS*  | SRS                        | CRS*     | SRS | CRS   | SRS                      |  |
| 1.  | 2001 | 139.40                 | 21.23 | 18.9                       | 5.81     | 5.1 | 24    | 29                       |  |
| 2.  | 2002 | 142.10                 | 21.18 | 17.2                       | 6.05     | 5.1 | 16    | 30                       |  |
| 3.  | 2003 | 144.86                 | 20.78 | 17.3                       | 6.07     | 5.0 | 17    | 28                       |  |
| 4.  | 2004 | 147.68                 | 20.72 | 18.4                       | 5.76     | 4.7 | 13    | 32                       |  |
| 5.  | 2005 | 150.54                 | 21.52 | 18.6                       | 6.24     | 4.6 | 13    | 35                       |  |
| 6.  | 2006 | 153.47                 | 21.05 | 18.4                       | 6.45     | 4.7 | 18    | 37                       |  |
| 7.  | 2007 | 156.45                 | 20.58 | 18.1                       | 6.46     | 4.8 | 25    | 36                       |  |
| 8.  | 2008 | 159.49                 | 20.94 | 18.4                       | 6.77     | 4.8 | 18    | 35                       |  |
| 9.  | 2009 | 162.58                 | 21.77 | 18.1                       | 6.89     | 4.4 | 19    | 33                       |  |
| 10. | 2010 | 165.74                 | 21.66 | 17.8                       | 7.48     | 4.2 | 22    | 30                       |  |
| 11. | 2011 | 168.96                 | 20.89 | 17.5                       | 6.63     | 4.3 | 22    | 28                       |  |
| 12. | 2012 | 172.24                 | 20.90 | 17.3                       | 6.10     | 4.2 | 24    | 25                       |  |
| 13. | 2013 | 175.59                 | 21.07 | 17.2                       | 5.52     | 4.1 | 22    | 24                       |  |
| 14. | 2014 | 179.00                 | 20.88 | 16.8                       | 6.77     | 3.8 | 22    | 20                       |  |
| 15. | 2015 | 182.47                 | 20.50 | 16.4                       | 6.82     | 3.6 | 23    | 18                       |  |
| 16. | 2016 | 186.01                 | 20.38 | 15.5                       | 7.61     | 4.0 | 21.35 | 18                       |  |

Source: -Office of Chief Registrar, Births & Deaths, Government of NCT Delhi.

Notes: -CRS- Civil Registration System and SRS- Sample Registration System.

13.3 It may be inferred from Statement 2.16 that the vital rates of Delhi during 2001-2016 under CRS showed a mixed trend in birth and infant mortality rates. On the contrary the death rate by CRS indicated slightly a increasing trend. Under SRS system birth rate, death rate and infant mortality rate showed a decreasing trend.

## 14. Migration

14.1 The estimates of migration in Delhi are based on birth and death rates and total increase in population. It may be observed from Statement 2.17 that the percentage of migration was 33.05 per cent in 2016, while the percentage of natural growth in 2016 was 66.94 per cent. In absolute terms, natural increase in population during 2016 was 2.37 lakh, whereas migration has been estimated at 1.17 lakh. The trend of migration from 2001 to 2016 is given in the Statement 2.17.

<sup>\*</sup>Estimated midyear population based on Census 2011

Statement 2.17

## TREND OF MIGRATION IN DELHI 2001-2016

(Lakh)

| S.  | Year | Estimated Mid        | Increased Popula-          | To    | otal  | Natural  | Migration |
|-----|------|----------------------|----------------------------|-------|-------|----------|-----------|
| No. |      | Year Popula-<br>tion | tion Over Previous<br>Year | Birth | Death | Increase |           |
| 1.  | 2001 | 139.40               |                            | 2.96  | 0.81  | 2.15     |           |
| 2.  | 2002 | 142.10               | 2.7                        | 3.01  | 0.86  | 2.15     | 0.55      |
| 3.  | 2003 | 144.86               | 2.76                       | 3.01  | 0.88  | 2.13     | 0.63      |
| 4.  | 2004 | 147.68               | 2.82                       | 3.06  | 0.85  | 2.21     | 0.61      |
| 5.  | 2005 | 150.54               | 2.86                       | 3.24  | 0.94  | 2.30     | 0.56      |
| 6.  | 2006 | 153.47               | 2.93                       | 3.23  | 0.99  | 2.24     | 0.69      |
| 7.  | 2007 | 156.45               | 2.98                       | 3.22  | 1.01  | 2.21     | 0.77      |
| 8.  | 2008 | 159.49               | 3.04                       | 3.34  | 1.08  | 2.26     | 0.78      |
| 9.  | 2009 | 162.58               | 3.09                       | 3.54  | 1.12  | 2.42     | 0.67      |
| 10. | 2010 | 165.74               | 3.16                       | 3.59  | 1.24  | 2.35     | 0.81      |
| 11. | 2011 | 168.96               | 3.22                       | 3.53  | 1.12  | 2.41     | 0.81      |
| 12  | 2012 | 172.24               | 3.28                       | 3.60  | 1.05  | 2.55     | 0.73      |
| 13  | 2013 | 175.59               | 3.35                       | 3.70  | 0.97  | 2.73     | 0.62      |
| 14  | 2014 | 179.00               | 3.41                       | 3.74  | 1.21  | 2.53     | 0.88      |
| 15  | 2015 | 182.47               | 3.47                       | 3.74  | 1.25  | 2.49     | 0.98      |
| 16  | 2016 | 186.01               | 3.54                       | 3.79  | 1.42  | 2.37     | 1.17      |

Source: -Office of Chief Registrar, Births & Deaths, Government of NCT Delhi.

Notes: - 1. Natural Increase of population means the difference between total births and deaths.

# 15. Disabled Population in Delhi

15.1 As per 2011 census more than 2.34 lakh persons in Delhi were under the category of disabled and constitute 1.4 per cent of the total population in Delhi. The distribution of disabled population by sex, type of disability in NCT Delhi is presented in Statement 2.18.

<sup>\*</sup>Estimated midyear population based Census 2011

<sup>2.</sup> Migrated population is the difference between increased population and natural increase in population.

## **DISABLED POPULATION IN DELHI-2011**

| S. |                      |        |        |       |        |        |        |        |
|----|----------------------|--------|--------|-------|--------|--------|--------|--------|
| No |                      | Urban  |        | Rural |        | Total  |        |        |
|    |                      | Male   | Female | Male  | Female | Male   | Female | Total  |
| 1. | Seeing               | 16434  | 12898  | 430   | 362    | 16864  | 13260  | 30124  |
| 2. | Speaking             | 8738   | 6017   | 208   | 131    | 8946   | 6148   | 15094  |
| 3. | Hearing              | 18845  | 14829  | 432   | 393    | 19277  | 15222  | 34499  |
| 4. | Walking              | 39529  | 25969  | 1198  | 687    | 40727  | 26656  | 67383  |
| 5. | Mind                 | 16260  | 9527   | 417   | 180    | 16677  | 9707   | 26384  |
| 6. | Any Other Disability | 21197  | 14811  | 586   | 419    | 21783  | 15230  | 37013  |
| 7. | Multiple Disability  | 13708  | 10004  | 397   | 276    | 14105  | 10280  | 24385  |
|    | Total                | 134711 | 94055  | 3668  | 2448   | 138379 | 96503  | 234882 |

Source: - Census of India. 2011

15.2 It may be inferred from Statement 2.18 that a good percentage of disabled persons facing the problem of blindness or eye related issues. Near about 0.67 lakh persons in Delhi were facing movement disabilities.