

Population Projections for Aurangabad Municipal Corporation, 1981-2001

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INTRODUCTION

The Aurangabad Municipal Corporation was established in December 1982 under the Bombay Provincial Municipal Corporation Act, 1949. Thirteen villages situated in the outskirts of Aurangabad City have been added to the city area in demarcating the boundaries of the newly established Corporation with an enlarged land area of 145 square kilometers. According to 1981 Census, the total population of the Aurangabad City was 2,98,937. The population of the 13 villages that were added to the newly formed Corporation was 20,485, constituting only 6.4 per cent of the total population of the corporation. Table 1 gives the population of the villages that were included in the Aurangabad Municipal Corporation.

With the formation of Aurangabad Municipal Corporation, planning for the development activities of the corporation is important in order to achieve an orderly pattern of growth of the city. This involves the creation of the necessary infrastructure for industrial development. In addition, the growth of population in the future is likely to create demands on the Corporation for the provision of such services as education, employment, water supply and sanitation, housing and health. Therefore, population projections are important for planning purposes. An attempt is made here to project the population of Aurangabad Municipal Corporation up to the year 2001 by age and sex and by industrial structure.

PROJECTION OF TOTAL POPULATION BY SEX

The most commonly used technique in population projection is the component method in which the three components of population growth, namely fertility, mortality and migration, are projected separately under alternative sets of assumptions. This method cannot be used here mainly because of non-availability of data on births, deaths and migration for the study area. The use of a mathematical method is not recommended if one is interested in projecting not only the total size of the population but also the