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INDIA METEOROLOGICAL DEPARTMENT



Climate of Maharashtra



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PREFACE

The importance of meteorology and its economic and social benefits are being increasingly realised all over the world. In our country also, various sectors like agriculture, aviation, energy, industry require climatological information pertaining to different regions of the country, for planning and executing projects, with a view to derive maximum advantage from meteorological and/or climatological conditions. Keeping these requirements in view, it was decided by India Meteorological Department to publish the series "Climatological Summaries" for each state in the country incorporating the district climatological summaries. The first in the series of 'State Climatological Summaries' is "Climate of Maharashtra State". The present publication is the updated version of earlier one, published in the year 1971.

The publication contains extensive information on rainfall in various districts in Maharashtra based on the available rainfall data for the period 1941-1990. The climatological data in respect of temperature, wind, clouds and other weather parameters for the period from 1961-1990 are also given. Information relating to droughts, excessive rainfall, depressions and cyclonic storms are also included in the publication.

The publication was initiated by Dr. U.S.De and brought to completion by Dr. S.K. Dikshit, Shri. Shravan Kumar and Dr. N. Jayanthi.

The climatological summary and related maps were prepared at the "Revision of Climatological Publications" section of the Office of the Additional Director General of Meteorology (Research), India Meteorological Department, Pune. The publication was prepared by Smt. P.G.Gore and assisted by Smt. P.R. Joshi and Shri B.V. Potdar. The contributions made by Shri S.M. Deshpande, Smt. U.S. Satpute, Smt. P. R. Iyer, Shri R.S. Wayal and Shri A.B. Dhule were vital. The designing and printing has been done by the DTP Unit under the supervision of Shri A.Philipose.

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CLIMATE OF MAHARASHTRA

INTRODUCTION

The meteorological conditions of Maharashtra state as a whole are described in the first chapter followed by detailed description of the climate of each district in the succeeding chapters. The district summaries are grouped under the respective meteorological subdivisions and arranged alphabetically.

The normals of meteorological elements used for describing the climate are generally based on data for the period 1961 to 1990, except in the case of rainfall. For rainfall, normals using all available data for 1941 to 1990 have been used. The extreme values of temperature and rainfall presented in the publication are based on the data upto the year 1996.

CLIMATE OF MAHARASHTRA

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| | | | |
|---|-----------------|------|----|
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| 2 | Mumbai-Suburban | | 57 |
| 3 | Raigad | | 62 |
| 4 | Ratnagiri | | 71 |
| 5 | Sindhudurg | | 79 |
| 6 | Thane | | 86 |

MADHYA MAHARASHTRA

| | | | |
|----|------------|------|-----|
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| 3 | Jalgaon | | 105 |
| 4 | Kolhapur | | 112 |
| 5 | Nandurbar | | 119 |
| 6 | Nashik | | 124 |
| 7 | Pune | | 133 |
| 8 | Sangli | | 142 |
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| 10 | Solapur | | 156 |

MARATHWADA

| | | | |
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| 6 | Nanded | | 192 |
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| | | | |
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| 3 | Bhandara | | 223 |
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