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# MINISTRY OF IRRIGATION AND POWER

## REPORT OF THE KRISHNA-GODAVARI COMMISSION

### Annexure IV Withdrawals by Canals Krishna River System

July 1962

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## FOREWORD

The data presented in this Annexure are based on the records of daily withdrawals by canals on the Krishna river system as made available to the Commission by the States of Andhra Pradesh, Maharashtra and Mysore. The Commission decided to collect these data for a period of 20 years, from June 1941 to May 1961, in the form of ten-daily means.

The year has been taken as the water year applicable to the hydrologic and agricultural conditions in most parts of the Krishna and the Godavari basins, that is, from 1st June of one year to 31st May of the following year.

Where withdrawals for one or more days are not available, the ten-daily mean has been calculated for the number of days for which data are available. For some years, for which data are available for the major part of the year and are missing for a few ten-day periods, the Commission have assumed the data not available generally on the basis of the respective average for the remaining years of the ten year period 1941-42 to 1950-51 or 1951-52 to 1960-61, as the case may be. The figures so assumed have been shown in brackets.

Averages have been worked out separately for each ten years period from 1941-42 to 1950-51 and from 1951-52 to 1960-61, and also for all the 20 years. Averages have not been worked out where the data are irregular or are available for less than five years.

The method of estimating the withdrawals vary from canal to canal but generally the daily discharges are based on a gauge discharge relationship which is kept up-to-date by infrequent discharge observations, in a few cases, by current meter but more often by floats.