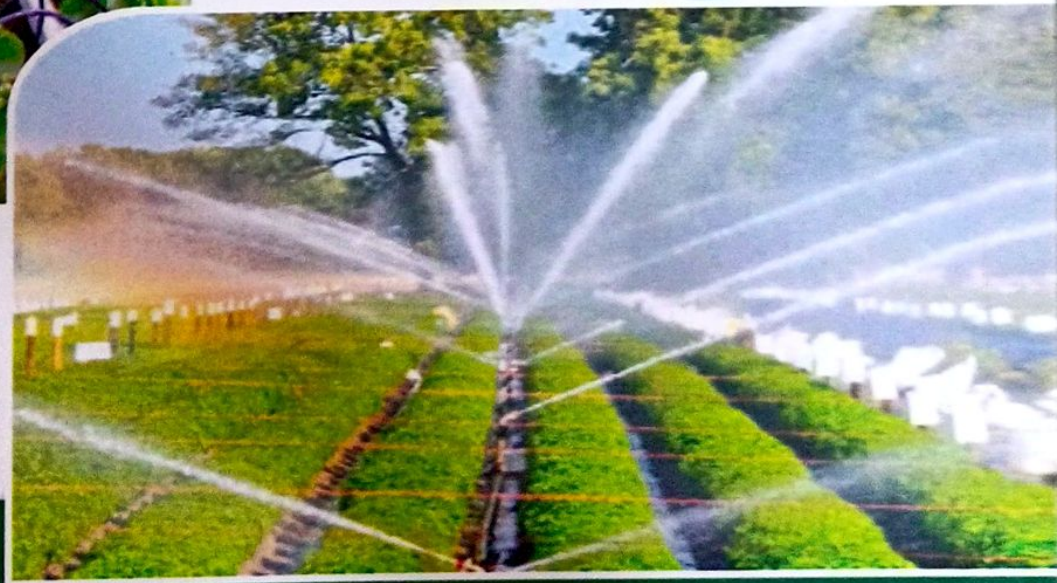


# IRRIGATION AND ECONOMIC DEVELOPMENT



*Edited by*

**Dr.S. THEENATHAYALAN**  
**Dr.P. KANNAN**





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**Editors :** **Dr. S. THEENATHAYALAN**  
*Associate Professor & Head*  
*Post Graduate Department of Economics and*  
*Centre for Research in Economics*  
*The Madura College (Autonomous)*  
*Madurai, Tamil Nadu, India*

**Dr. P. KANNAN**  
*Associate Professor*  
*Post Graduate Department of Economics and*  
*Centre for Research in Economics*  
*The Madura College (Autonomous)*  
*Madurai, Tamil Nadu, India*

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## CHAPTER 42

# A STUDY ON MAJOR AND MINOR IRRIGATION PROJECTS IN TAMILNADU

**Dr. S. KARTHIKEYAN**

*Assistant professor, Department of Economics of centre for Research in Economics  
The Madura College (Autonomous) Madurai*

**P. GNANASOUNDARI**

*Research Scholar, The Madura College, Madurai  
Department of Economics, of Centre for Research in Economics*

### Introduction

Tamil Nadu covers 4 per cent of the geographical area and caters to 5.96 percent of the population of 7.21 crore in 17 river basins. About 95 per cent of the surface water capacity and 80 per cent of groundwater water capacity is in use. We here study about the major and minor irrigation project in Tamil Nadu. The total water capacity of the State alone, including ground water, is 47125 mcum. The total surface water water capacity of the State is 24160 Mcum including contribution (7391 Mcum or 261 TMCft.) from the neighbouring States of Kerala, Karnataka and Andhra Pradesh.

The irrigate prospective of Tamil Nadu a year each one dampen accessibility inside India be regarding 2200 M3 while it is concerning 750 M3 in Tamil Nadu. As maintained by means of the human race values (per capita availability - 1000 M3), our status is beneath water paucity. In Tamil Nadu, mainly four methods or irrigation followed, Sprinkler Irrigation, Surface Irrigation, Trickle Irrigation, Surface Irrigation. Irrigation mostly consists engineering (or hydraulic) structures which amass, suggest, as well as distribute water toward area on top of which crops are grown-up. Irrigation projects might assortment since a miniature farm unit to folks quota far-reaching areas of millions of hectares.

### The State of Tamil Nadu

Tamil Nadu is the 11th prevalent state in India having a total geographical area of 130.33 Lakh hectares (4 percent of the land area of India) and is home to 72.14 million people (2011 census) which are 5.96 percent of India's populace. To be establishing in the tremendous south of Indian sub-continent, the state is surrounded by means of Indian Ocean to the east and south, the state of Kerala to the west, Andhra Pradesh to the north and Karnataka to the north-west. The literacy rates are 80.09 per cent with a lesser masculine literacy at 73.45. The compactness of populace in the state is 555 per square kilo meter, beyond the national usual. The carve up of populace livelihood in rustic areas is 51.60. Tamil Nadu is the instant biggest state economy in India, the GSDP increasing at a sooner rapidity of 9.2 percent per annum over the went before 3 years. Tamil Nadu Irrigation system project vast enough with diverse concept. State are the well equipped with modern technologies and



## About the Editors



**Dr.S. THEENATHAYALAN** is presently serving as Associate Professor and Head, Department of Economics and Centre for Research in Economics of The Madura College (Autonomous), Madurai, Formerly Member – Syndicate and Member Convener Committee, Madurai Kamaraj University. He has credibly maintained consistent academic records in his post graduate studies with a University Rank. He started his teaching career in July 1991 with a passion for teaching for more than 3 decades. He has produced 11 Ph.Ds, 32 M.Phil and published 15 books.

He was also the organizing secretary of 10 National Seminars, 1 National Conference and 3 International Conferences. In addition, he has delivered 80 plus invited lectures at the UGC HRDC and keynote addresses in Economics in National, International conferences and radio talks. His research contributions are also outstanding. Under his guidance, eleven students got their Ph.D. degrees. 31 M.Phil graduates and many PG students have completed their projects under his guidance. At present, 7 Ph.D Scholars and one post-doctoral fellow are working under him.

He has published 15 books, 34 research papers and reviews in national and international journals of repute. His academic contributions involve membership and chairmanship of Board of Studies of various institutes. He was also recipient of "Best teacher award", "Best NSS Programme Officers Award", "Senior Economists award" and "Eminent Academician award". Besides he served as NAAC Coordinator, IQAC Coordinator and Dean of Academics and Research in the college.



**Dr.P. KANNAN** graduated from N.M.S.S.V.N. College, Nagamalai, Madurai and took his M.A, M.Phil., Ph.D. from Madurai Kamaraj University. He began his teaching profession from 2000 onwards. He has been serving for more than two decades as Associate Professor, PG Department of Economics and Centre for Research in Economics, The Madura College, (Autonomous) Madurai.

He has been handling Classes from undergraduate to M.Phil levels with greater reliance on insight, lateral thinking inspiration and sagacity. He has organized and participated in quite a few number of National, State level and Regional Seminars, Workshop and Conferences and has contributed articles in research journals of repute. His academic contributions exemplify his ability towards carrying out high quality teaching, research and extension work with focuses understanding, sanctity of thought and liveliness. Being a Research Guide he produced 13 M.Phil candidates. He is effectively affianced with all the college curricular and co-curricular activities.



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