

IRRIGATION AND ECONOMIC DEVELOPMENT



Edited by

Dr.S. THEENATHAYALAN
Dr.P. KANNAN



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CHAPTER 2

IRRIGATION AND ECONOMIC DEVELOPMENT IN TAMILNADU WITH SPECIAL REFERENCE TO MADURAI DISTRICT

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Abstract

The irrigation system irrigation quality is ahead significance step by step because of the adjustments in the urbanization and industrialization which overcapitalize on the underground irrigation. Tamilnadu is one of the financially exceptional states in the country with significant center ventures and agro-based industry. Tamilnadu additionally considered as horticulture comprises a state with satisfactory cultivatable grounds and irrigation system offices. Irrigation gives merchandise and ventures that are used by horticulture, industry, and family units. Irrigation is a significant common save for farming creation. Without irrigation for the irrigation system, even the accomplishments of the Green Revolution would not have been accomplished notwithstanding accessibility of the multitude of different belongings. This paper aims to discuss the economic study on irrigation and economic development in Tamilnadu with special reference to the Madurai district.

Keyword: irrigation, gross irrigated, net irrigated, water, economic development

Introduction

Irrigation is a fundamental component of endurance. Around 70% of the human body comprises irrigation while plants contain just about 90% of irrigation. In any case, we need to rely upon some external sources to satisfy the irrigation necessities of our body. Also, crops require irrigation for their development and advancement. The way toward providing irrigation to the yields is known as the irrigation system. Soil and irrigation quality evaluation and observing are basic for the maintainability in yield creation. Across the world, the advancement of saltiness and sodicity has been broadly announced because of flooded horticulture (Verwey and Vermeulan, 2011) and it was recorded in the conditions of Punjab and Haryana in India. Munn (2005) expressed that right around 900 million hectares of the farming area were brought about saltiness and sodicity which addressed more than 6% and 20% of the world's agrarian and inundated land individually. Irrigation system irrigation quality and the amount by implication affect soil attributes (physical, natural, and compound) and were relying upon the irrigation system. The proceeded utilization of low-quality irrigation systems is the primary driver of salinization and modification and leads unavoidably to expanding salinization and modification issues and ultimately brings about expanded expense of creation and harvest disappointments. Salinization is particularly genuine where saline ground

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.

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