

35

# A CRITICAL EVALUATION OF PLANNING FOR NEW URBAN SETTLEMENTS IN THE MAHAWELI DEVELOPMENT PROGRAMME WITH SPECIAL REFERENCE TO THE SOCIAL DIMENSION



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)



UNIVERSITY OF MORATUWA  
THESES & DISSERTATIONS

1983

The Library

711.4  
(548.7)

G13

UNIVERSITY OF  
MORATUWA  
SRI LANKA

T. T. GAMAGE

M. Sc. 1983.

35

A CRITICAL EVALUATION OF PLANNING FOR NEW URBAN  
SETTLEMENTS IN THE MAHAWELI DEVELOPMENT PROGRAMME  
WITH SPECIAL REFERENCE TO THE SOCIAL DIMENSION.

6666  
(7812) A.LIV  
EP

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

711.4 (548)  
G.3

A DISSERTATION

PRESENTED TO

THE DEPARTMENT OF TOWN & COUNTRY PLANNING,



University of Sri Lanka  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk  
SRI LANKA

PERMANENT  
REFERENCE  
NOT TO BE  
REMOVED FROM  
THE LIBRARY.

39935

IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE  
AWARD OF THE DEGREE OF MASTER OF SCIENCE IN  
TOWN AND COUNTRY PLANNING,

a.e  
71 "83"  
711.4 (548)  
954.87

T. T. GAMAGE

M, SC (TOWN & COUNTRY PLANNING) DEGREE COURSE 1981/82

29 OCTOBER 1983

39935

i

### ACKNOWLEDGEMENT

I wish to record my sincere thanks and deep gratitude to Professor M.W.J.G. Mendis, Head of the Department of Town and Country Planning, University of Moratuwa for his continuous guidance, supervision and also for the constructive criticisms made throughout the study.

I also wish to make use of this opportunity to express my thanks to Mr A.L.S.Perera, Mrs. S. Richards and other members of the staff who extended their co-operation in advising and assisting me during my period of study.



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations

My thanks are also due to Mr Gannewatte and Mr Gamini Wickramasinghe of the Agrarian Research and Training Institute, Mr N.S.Perera of the Mahaweli Development Board and Mr A.A.M. Rambanda of the University of Moratuwa, for helping me in numerous ways; to Dr Martin Southwold and Mrs Sarah Southwold for partly providing me with financial assistance for the study and to my dear parents who made it possible for me to complete this dissertation. Gratitude is also due to all my friends and the residents of Galnewa and Giranduru Kotte who supported me in one way or another throughout my study period.

I wish to express my thanks to Mrs Loretta Motha for typing this dissertation in a very short time,

T.T.Gamage

## SYNOPSIS

The Accelerated Mahaweli Development Programme represents Sri Lanka's largest investment in recent times and this is expected to settle 825,000 people. These people will require several urban centres for the programme development of the project area. The importance of urban settlement planning has been recognised by the Mahaweli Development Board and also by the Mahaweli Authority. In this connection, they have already identified the locations for urban centres and have established some urban centres in the Mahaweli area. At present, the urban sector has received inadequate attention, specially the social dimension in planning and therefore, the plans require evaluation and suitable amendments. Hence, this dissertation presents an evaluation of the recommended urban settlement planning in the Mahaweli Development Board,



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

The dissertation comprises of seven chapters, In Chapter One, the planning perspectives in the Mahaweli Development Programme are introduced. Chapters Two and Three, describe the urban sector and urban settlement plans in the Mahaweli Development Board respectively,

Chapter Four discusses the theoretical considerations of the social dimension in Development Planning. Against such a background, Chapter Five evaluates urban settlement planning in the Mahaweli Township with special reference to the social dimension,

Chapter Six, discusses the planning guidelines for the urban sector.

Chapter Seven, discusses the conclusions and recommendations.



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

CONTENTS

	<u>Page No.</u>
1. ACKNOWLEDGEMENT	i
2. SYNOPSIS	ii
3. LIST OF CONTENTS	iv
4. LIST OF MAPS	vi
5. LIST OF TABLES	vii
6. LIST OF FIGURES	ix
7. INTRODUCTION	i
CHAPTER 1 - The Planning Perspectives in the Mahaweli Development Programme.	5
CHAPTER 2 - The Urban Sector in the Mahaweli Development Programme.	21
CHAPTER 3 - Urban Development Plans of Mahaweli Development Programme.	33
CHAPTER 4 - Theoretical Considerations on the Social Dimension in Development Planning	40



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk

CHAPTER 5 - Critical Eyaluation of 68  
 Urban Settlement Planning  
 in the Mahaweli Programme.

CHAPTER 6 - Guidelines for incorporation 91  
 of the Social Dimension in  
 the Mahaweli Urban Development  
 Plans.

CHAPTER 7 - Conclusions and 101




University of Moratuwa, Sri Lanka.  
 Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

APPENDICES 105  
 Appendix I  
 Appendix II  
 Appendix III

BIBLIOGRAPHY 114

LIST OF MAPS

<u>No.</u>	<u>Name</u>	<u>Page No.</u>
1	Master Plan of Mahaweli Development Programme.	8
2	Accelerated Mahaweli Programme	15
3	Urban Settlements in System A, B, C, D and H.	29
4	A new township plan	37
5	 Girandurukotte Township Plan (see inside back cover holder)	
6	Galnewa Township Plan  (see inside back cover holder)	

University of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations

[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)



LIST OF TABLES

<u>No.</u>	<u>Name</u>	<u>Page No.</u>
1	Main Features of the Three Phases of Mahaweli Ganga Scheme,	10
2	Mahaweli Accelerated Programme in Brief.	14
3	Urban Population of the Mahaweli Development Region - 1982.	22
4	Urban Population of the Accelerated Mahaweli Programme.	24
5	Information on the Population and Communities in the Accelerated Mahaweli Area.	26
6	Proposed New Towns and Existing Town Centres to be Improved.	28
7	Hierarchy and Demographic size of Settlements in various systems.	30
8	The New Township of the Various Systems in the Mahaweli Area.	34
9	Sample of Residents surveyed at Galnewa and Giranduru Kotte,	70
10	Age structure of the Population in Galnewa and Girandurukotte,	73



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)



11	Employment structure of Galnewa and Girandurukotte,	74
12	The Planned facilities in Galnewa and Girandurukotte new townships,	79
13	Missing facilities in the townships and the Percentages of Respondents who have considered these are necessary, for the Townships.	80



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)



LIST OF FIGURES

<u>NO.</u>	<u>NAMES</u>	<u>PAGE NO.</u>
1	Layout Pattern of Settlement.	13
2	Organization of the Mahaweli Development Board 1981.	20
3	Hierarchy of services, distribution according to rank of centre.	32
4	Organization Structure of the Regional and Physical Planning Division,	39



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)