A STRUCTURE PLAN FOR KANDY CITY WITH SPECIAL EMPHASIS ON THE CENTRAL BUSINESS DISTRICT

පුස්තකාලහ **අමාරටුව** විශ්ව විදු_{ණිල්ලා}, පුි ලං**කාම** ඉමාරටුවං

A Dissertation

Presented to

the Department of Town and Country Planning
University of Moratuwa, Sri Lanka



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

In Partial Fulfilment
of the Requirements for the Degree
Master of Science in Town and Country Planning

Surath Wickramasinghe

14th September 1979

31405

SYNOPSIS

Urban Development in Sri Lanka is presently receiving priority under the Government Development Programme.

Towards this end it has embarked upon massive programmes involving several projects that would have a major impact in the large Cities and Towns in the country. In this connection, the provincial capitals of Batticaloa and Kandy have received priority attention outside the Colombo Metropolitan region.

This study is concerned with the development of the Kandy Municipal Council area and its Central Business District. It is structured under 4 Parts and consists of eleventseparate consponent of the development of the Kandy Municipal Council area and its Central Business District. It is structured under 4 Parts and consists of eleventseparate consists

Electronic Theses & Dissertations www.lib.mrt.ac.lk

Part I of the study has discussed the existing setting in the Kandy Municipal Council area and its Central Business District. In this connection it has outlined the historical significance of this City and also discussed the existing pattern of development activity. The Organisational and Legislative aspects have also been described in this Part.

Part II of the study consists of an analysis of the dominant problems and prospects for development of the Kandy Municipal Council area. This Part consists of 3 Chapters in which these dominant problems have been identified and evaluated. The overall potential of the

various development components and also the critical evaluation of the Organisational and Legislative instruments have also been done in this Part.

Part III comprises the strategies for development. In this connection the criteria for an appropriate strategy for the development of Kandy City and its Central Business District have been discussed. Broad proposals for the Central Business District have also been made in this Part.

Part IV of the study comprises its conclusions and recommendations.

A Bibiliography of Fereign and Still Holded in this Electronic Theses & Dissertations www.lib.mrt.ac.lk

PREFACE

The Provincial Cities of Sri Lanka have always acted as excellent buffers to large scale migration of people in to the Capital City of Colombo and its suburbs. In this connection the historic city of Kandy has contributed to a large extent in maintaining a reasonable balance of urban-rural populations both in the national context as well as of the Hill Country.

Kandy offers a natural attraction to a City Planner, both, due to its Historical and Cultural importance and also because it offers tremendous potential to stimulate modern development in a large region around it.

University of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations

In view the above this dissertation has attempted to provide a framework of significant value towards stimulating a more professional interest in the formulation of a Development Plan for Kandy. Its primary objective has been to demonstrate a Methodology which constitutes a theoretical approach in the study of a planning problem.

In this connection it has gathered a substantial volume of information relevant to a Development Plan and has attempted to process and relate them in a coherent manner.

The Dissertation has proposed, through its Methodology, a Structure Plan for the Kandy Municipal Council area which shows a planning framework and has included such matters as the distribution of population, the activities

and the relationships between them, the patterns of land use together with the network of communications and the systems of utility services. In effect, it has discussed the Socio, Economic and Physical systems of Kandy City in so far as they are subject to planning influence. The Dissertation has also indicated a framework of action for the Central Business District of Kandy City.

It is relevant to make the observations that this Dissertation cannot be wholly comprehensive nor, totally professional. However, it is hoped that this work will contribute towards the fund of knowledge that is now being gathered by the relevant Central Government and Local Government Agencies who are engaged in planning for the development of Kandy City.

University of Moratuwa, Sri Lanka.

Ele wv

University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk This study was undertaken at the University of Moratuwa, under the inspired guidance of Mr. M.W.J.G. Mendis, Head of the Department of Town & Country Planning, University of Moratuwa. His valuable criticism and mature advice improved the quality of this work to a substantial degree. He read through several drafts of the dissertation with great care and patience and ungrudgingly gave me considerable part of his time, which he could ill-afford, thus enabling me to complete this work within the time alloted to me. To Mr. M.W.J.G. Mendis, therefore, I owe a deep debt of gratitude.

My sincers thanks veos Mr of Morasemanayake plane: Minister of Electronic Theses & Dissertations
Agricultural Development & Research, Mr. Nissanka Wijeratne,
Hon: Minister of Education & Higher Education, Mr. T.B.
Werapitiya, Hon: Deputy Minister of Defence, Mr. Thilak
Ratnayake, Mayor of Kandy, Mrs. C. Ranarajah, Deputy Mayor
of Kandy, for their inspiration, encouragement and advice
arrising from their inherent knowledge of the background
and the problems prevailing in Kandy City.

A special thanks to the Municipal Commissioner, Kandy
Municipal Council, Mr. D.H. de Silva for making available
to me all the Statistical data available at the Municipality
and specially for releasing current statistics being
compiled by him regarding housing and population. My

appreciation also extends to various Officials of the Municipality who assisted me in obtaining relevant information.

My Gratitude also to the following Officials for their sincere interest in discussing Kandy's problems and providing me with necessary information to make this study a success.

- Mr. Adikaram W.B. Registrar, University of Sri Lanka, Peradeniya.
- 2. Mr. de Silva Leo Superintendent of Prisons, Kandy.
- 3. Mr. Fernando R.C.A. District Manager, National Housing Development Authority.
- 4. Mr. Ekanayake P.B. Chief Traffic Inspector, Kandy Police.
- 5. Mr. Rupasinghe R.C. Superintendent Health Services, University of Angatuwa, Sri Lanka.
- 6. Mr. Navaratne R.B. Assistant Government Agent, Kandy.

 www.lib.mrt.ac.lk
- 7. Mr. Senanayake C.J. Chief Engineer, Highways Department, Kandy.
- 8. Mr. Wijeratne Upali Superintendent of Police, Kandy.
- 9. Mr. Waheed A.M.A. General Manager, Central Regional Transport Board, Kandy.

My thanks as well as my apologies to Mr. Lakshman Senanayake, Manager/Director, Commercial Bank of Ceylon Ltd, Kandy for the innumerable times I disturbed him with telephone calls for various information regarding the Socio/Economic situation in Kandy.

I also thank Mr. S. Berugoda, Deputy Surveyor General and Mr. Walter de Silva, Assistant Town Planner, Town & Country

Planning Department, for providing me with information relative to their departments.

My sincere thanks to M/s. S. Senaratne, L. Ranatunga, S. Bandaratilleke, J. de Kauwe, C. Pereira for assisting me with the physical surveys relating to Population, Employment, Traffic and Land Use in the Central Business District of Kandy.

Finally I wish to thank Mr. B.H.P. Rajepakse for the painstaking job of going through the scripts and Tanya, Marie and Onitha for undertaking the major task of typing.

Surath Wickramasingheity of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations

Department of Towny blcountrylk Planning.

University of Moratuwa

Moratuwa.

14th September 1979.

LIST OF CONTENTS

	PAGE NO
SYNOPSIS	iii
PREFACE	vi
ACKNOWLEDGEMENTS	viii
LIST OF CONTENTS	
LIST OF MAPS	×i
LIST OF TABLES	xii
LIST OF FIGURES	xiv
PART I : THE EXISTING SETTING IN THE KANDY	
MUNICIPAL COUNCIL AREA AND ITS	
CENTRAL BUSINESS DISTRICT	
CHAPTER 1 : The Historical Significan	nce
of the City of Kandy University of Moratuwa, Sri Lanka. PAPTER CroiniThen Existings Settlings in the Wardy limiting Council Area	1
CHAPTER 3: The Existing Setting in	
the Central Business District	46
CHAPTER 4: The Organisational and	
Legislative aspects of Development	
in Kandy	59
PART II : A SITUATION ANALYSIS OF THE PROBLEMS	
AND PROSPECTS	
CHAPTER 5: The identification and	
Evaluation of the problems in the	
City and its Central Business Distric	et 70

පුස්තකාලය මොරටුව විශ්ව විදාහලය, ශුී ලුංකුමේ ඉම්බරුටුව

PAGE NO:

CHAPTER 6: The Development Potential
of the various development components 95
CHAPTER 7: A Critical Evaluation of
the Organisational and Legislative
Institutions 104

PART III STRATEGIES FOR DEVELOPMENT

CHAPTER 8: Criteria for an appropriate strategy for the Development of the City and its Central Business District 109
CHAPTER 9: Development proposals for

Municipal Council and The Central
University of Moratuwa, Sri Lanka.
Business District
Electronic Theses & Dissertations

a Structure Plan for the Kandy

112

PART IV

CONCLUSIONS AND RECOMMENDATIONS

CHAPTER 10 : Conclusions and Recommendations 119

APPENDICES : APPENDIX I :

An Overview of the Transport

Sector in Kandy.

www.lib.mrt.ac.lk

135

APPENDIX II:

Sanctioned Street Lines in Kandy

Municipal Council Area (1976). 140

APPENDIX III :

Survey of Space Requirements

for Offices, Shops, Wholesale,

Restaurants, Warehouses and other

Users. Questionnaire. 141

APPENDIX IV :

Various Line Departments in

Kandy. 142

APPENDIX V :

The Gazette of the Democratic Socialist Republic of Sri Lanka



University of Moratuwa, Sri Lanka.

Elemental Thornt & Lanka Lanka 1978. 144

www.lib.mrt.ac.lk

APPENDIX VI :

Powers and Functions of the Urban

Development Authority. Under Section

8 of the UDA, No. 41 of 1978. 148

BIBILIOGRAPHY: 153

LIST OF MAPS

MAP NO:		PAGE	NO
1.	Schematic Plan Showing Dalada Maligawa		
	Next to King's Palace.	6	
2.	Pattern of Land Use.	19	
3.	Electorial Wards in Kandy Municipal		
	Council Area.	25	
4.	Location of Proposed and Existing		
	Hotels in Kandy.	30	
5.	Location of Community Facilities in		
	Kandy Municipal Council Area.	43	
6.	Main Uses in the Central Business		
	District. University of Moratuwa, Sri Lanka.	48	
6a.	The Exist Electronica Theres & Directations		
	by Age in Kandy City.	90	
6b.	Opportunities for Re-development in		
	Central Area.	98	
6c.	Accelerated Mahaweli Programme.	101	
7.	Proposed Structure Plan for Kandy		
	Municipal Council Area.	117	
8.	Structure Plan for Central Business		
	District	133	

LIST OF TABLES

TABLE	NO:	PAGE NO
1.	Increase in Population 1946 - 1971,	4.0
	Kandy Municipal Council Area.	12
2.	Population by Race, 1971,	
	Kandy Municipal Council Area.	12
3.	Population by Religious Groups, 1971	
	Kandy Municipal Council Area.	14
4.	Population by Age Groups, 1946 - 1971,	
	Kandy Municipal Council Area.	14
5.	Pattern of Land Use by Percentage and	
	Extent.	20
6.	The Housing Situation by Age. University of Moratuwa, Sri Lanka.	23
7.	Density by Electoral Wards, Sir Lanka. Density by Electoral Wards, Kandy	
	Municipal Council Area.	24
		24
8.	Slums in Kandy Municipal Council	
	Area.	26
9.	1952 - 1978, Public Sector Housing	
	Development Programme in Kandy Municipa	
	Council Area.	27
10.	Pattern of average Monthly Rainfall	
	in Kandy.	29
11.	Distribution and Location of the	
	Western Dispensaries and Ayurvedic	
	Dispensaries.	39

TA	RI	Æ	N	0:

PAGE NO:

12	Schools in Kandy Municipal Council Area.	41
13.	Schedule of Activities by Numbers in the Central Business District of Kandy.	50
14.	A Parking Survey of a Selected Area in the Central Business District of Kandy.	57
15.	Building Plan Applications received for Approval of New Buildings in Kandy Municipal Council 1978/79.	66
16.	Kandy Municipal Council, Population Projectionsrsity of Moratuwa, Sri Lanka. Electronic Theses & Dissertations	73
17.	Major Cownord Divisions	74
	Kandy Municipal Council, Housing Needs	78
19.	National Employment Rates by Sex	80
20.	Employment Projections Kandy Municipal Council.	82
21.	Projection of School Places.	84

LIST OF FIGURES

FIGURE	NO:	PAGE NO:
1.	Population Pyramid by Age & Sex Kandy Municipal Council 1971	. 15
2.	Passenger arrival by bus to Central Business District	33
3.	Motor Car Traffic to Central Business District	35
4. 4a.	Organisational Chart Kandy University of Moratuwa, Sri Lar Municipal Council & Dissertation www.lib.mrt.ac.lk Organisational Chart, Relatio	1S 62
∓ a.•	ship for Urban Development in Kandy.	63
5.	Employment Projections (From 1971 - 2001)	82

PART I: THE EXISTING SETTING IN THE KANDY MUNICIPAL

COUNCIL AREA & ITS CENTRAL BUSINESS DISTRICT

CHAPTER 1: The Historical Significance of the City of Kandy.

CHAPTER 2: The Existing Setting in the Kandy Municipal Council Area.

CHAPTER 3: The Existing Setting in the



University of Moratura, Sal Lauriness District. Electronic Theses & Dissertations www.lib.mrt.ac.lk

CHAPTER 4: The Organisational and
Legislative Aspects of
Development in Kandy.