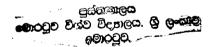
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# A PLANNING APPROACH FOR ENVIRONMENTALLY SUSTAINABLE AND ECONOMICALLY VIABLE SOLID WASTE MANAGEMENT IN URBAN AREAS

- A CASE STUDY OF SOLID WASTE MANAGEMENT IN GALLE
MUNICIPAL COUNCIL AREA



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A dissertation presented to the Department of Town & Country Planning, University of Moratuwa, Sri Lanka, in partial fulfilment of the requirements for the Degree of Master of Science in Town & Country Planning



- CHAPTER 1: gives the general issues of solid waste management, its relationship to town and country planning and other general issues related to study such as objectives, scope, methodology and the process used for the study.
- CHAPTER 2: is devoted to environment and solid waste management and is looked into with special reference to sustainable environment, human settlement planning and public participation.
- CHAPTER 3: is devoted to technology of solid waste management which discuses the aspects such as elements of solid waste and its composition, solid waste generation, collection, transfer & transportation and of solid waste disposal methods. This chapter also discusses using of planning tools such threshold analysis and sieve map techniques in solid waste management.
- CHAPTER 4: brings the issues related to development planning and solid waste management with a view to integrating the solid waste management plan within the overall town development plan. Initially issues such as economic aspects including solid waste service charge and administration aspects are also discussed.

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- CHAPTER 5: is devoted to the detail analysis of the case study carried out in the Galle MC area which includes study of existing development plan, forecasting future trends of development, and preparation of a solid waste management plan for GMC with a view to integrate it with the development plan.
- **CHAPTER 6:** gives the conclusions and recommendations of the study which includes national, regional and local level policy recommendations.



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### **ABBREVIATIONS**

CEA - Central Environmental Authority

CEIP - Colombo Envionmnetal Improvement Project

GMC - Galle Municipal Council

LA - Local Authority
MC - Municipal Council

MEIP - Metropolitan Environmental Improvement Project

MT - Metric Ton

NBRO - National Building Research Organisation

PS - Padeseya Saba

SWM - Solid Waste Management

UC - Urban Council

UDA - Urban Development Authority

UN - United Nation



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