

Appendix 6C

APPENDIX 6C

FORMULATION OF A MASTER PLAN
FOR SOLID WASTE MANAGEMENT

Note: The development of the Master Plan should take into consideration the content and conclusions within the National Strategic Plan for Solid Waste Management (2003).

1. Study on the present conditions
 - 1.1 General conditions of the study area
 - 1.2 Present situation of SWM
 - 1.3 Study on the present situation in sample areas
 - 1.4 Study on solid waste amount and composition
 - (i) Amount of waste
 - (ii) Waste composition
2. Site selection for major facilities
 - (i) Criteria for site selection
 - (ii) Steps in site selection
3. Identification of issues
 - 3.1. Issues for consideration
 - 3.2. Prioritising of requirements
4. Projection of future conditions
 - 4.1 Projection on future population
 - 4.2 Socio-economic forecasting
 - 4.3 Estimation of future solid waste amount
 - 4.4 Estimation of future solid waste composition
5. Planning framework and target year
 - 5.1 Goals and target
 - (i) Goals
 - (ii) Targets
 - (iii) Target year
 - 5.2 Preconditions of master plan
 - (i) Plan period
 - (ii) Service area
 - (iii) Population and number of bulk dischargers
 - (iv) Waste amount and composition
 - (v) Division of Responsibility for SWM
 - (vi) Contracting out of cleaning services
 - (vii) Financial conditions

Appendix 6C

6. Generation of alternatives for future system
 - 6.1 Policy for the generation of alternatives
 - 6.2 Alternative plans for the SWM system components
 - (i) Storage and discharge of solid waste
 - (ii) Waste collection and haulage
 - (iii) Treatment and recycling
 - (iv) Final disposal
 - (v) Street sweeping
 - (vi) Finance and charges
 - 6.3 Preparation of possible alternatives
 - 6.4 Cost estimation for alternatives
7. Preliminary environmental impact assessment (EIA)
8. Selection of the most appropriate alternative
 - 8.1 Criteria for evaluation
 - 8.2 Selection of the most appropriate alternative
9. Organisation, institution and finance
 - 9.1 Organisation
 - 9.2 Privatisation
 - 9.3 Institution
 - 9.4 Residents cooperation
10. Phased development plan and financial plan
 - 10.1 Phased development plan
 - 10.2 Financial plan
11. Equipment maintenance and training programme
 - 11.1 Equipment maintenance
 - 11.2 Training programme