CONTENT FOR CONCEPT DESIGN OF WASTE MANAGEMENT SYSTEMS

1. **Introduction**
   - 1.1 Island description
   - 1.2 Scope of work
   - 1.3 Local design standards and requirements
   - 1.4 Waste facility project lifecycle
2. **Existing waste management infrastructure and facilities**
3. **Culturally and environmentally Protected areas, zones, and reserves (if applicable)**
4. **Waste Generation (conceptual data)**
   - 4.1. Island demographics and population projections
   - 4.2. Design parameters
   - 4.3. Present per capita waste generation rate
   - 4.4. Future waste generation rates
   - 4.5. Design horizons
5. **Surveys**
   - 5.1. Socio-economical
   - 5.2. Physical survey
   - 5.3. Groundwater assessments
6. **Stakeholder consultation with attached meeting minutes**
7. **Waste Management and Disposal System**
   - 7.1. Overview
   - 7.2. Design approach and system flow diagrams
   - 7.3. Waste collection system
   - 7.4. Waste Storage arrangements
   - 7.5. Waste Management Facility
     - a) Type of treatment
       1. Incineration facilities
       2. Composting facilities
       3. Other mechanical/biological/chemical treatment option
     - b) Waste storage and Storage capacity (segregated)
     - c) Waste processing and treatment capacity
     - d) Concept layout of waste management facility
     - e) Power/water requirements
   - 7.6. Disposal options
   - 7.7. Waste Transfer/Transport mechanism
8. **Construction material standards**

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