



## **COMPREHENSIVE WASTE MANAGEMENT PLAN LIAQUAT INSTITUTE OF MEDICAL AND HEALTH SCIENCES, LIMHS THATTA**

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### **LIAQUAT INSTITUTE OF MEDICAL & HEALTH SCIENCES LIMHS THATTA COMPREHENSIVE WASTE MANAGEMENT PLAN**

#### **1. INTRODUCTION**

Liaquat Institute of Medical & Health Sciences Thatta (LIMHS) is committed to maintaining a safe and sustainable environment. In adherence to the EPA Act 2005, LIMHS has developed a comprehensive waste management plan to ensure the safe disposal of biomedical, infectious, and hazardous waste.

#### **2. WASTE MANAGEMENT PLAN**

LIMHS administration has constituted two committees as under;

- i. Waste Management Committee
- ii. Waste Management Team

#### **Waste Management Committee**

The Waste Management Committee serves as the governing body for waste management at LIMHS. It consists of key representatives from various departments:

1. Director Hospital (Chairman)
2. Administrative Officer (Secretary)
3. Vice-Principal Administration College (Member)
4. Purchase & Store officer (Member)
5. Microbiologist (Member)
6. Radiation Officer (Member)
7. Chief Sanitary Inspector (Member)



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The committee meets quarterly and in emergencies to address waste management issues and oversee the implementation of the waste management plan.

### **Waste Management Team**

The Waste Management Team, a subsidiary of the committee, ensures the day-to-day implementation of the waste management plan. It includes:

- i. Director Hospital
- ii. Vice-Principal Administration College
- iii. Administrative Officer
- iv. Waste Management focal person
- v. Sanitary Supervisor

The team meets monthly to oversee waste management across different departments and ensure compliance with the waste management plan.

### **Waste Management Focal Person Responsibilities**

The Waste Management Focal Person plays a pivotal role in the daily execution of waste management processes. Responsibilities include:

- Safe disposal of infectious waste using modern scientific methods.
- Education of personnel on safe disposal practices.
- Regular inspection of departments to ensure proper waste management.
- Coordination with relevant personnel for effective waste disposal.

### **3. TYPES OF WASTE**

Waste generated at LIMHS is categorized into three types:

- 1) Infectious/Hazardous Waste: Waste from laboratories, including cottons, alcohol swabs, etc.
- 2) Sharps Wastes: Includes syringes, cannulas, surgical blades, pathogens, etc.
- 3) General/Municipal Waste: Comprises plastics, juice boxes, food remains, papers, etc.



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#### **4. WASTE DISPOSAL GUIDELINES**

##### **Colored Waste Bins and Garbage Bags;**

- Yellow: Infectious Waste
- Red: Sharps/Glass
- Blue: Municipal/General Non-Infectious Waste

##### **Segregation at Source;**

- Responsibility lies with lab attendants, technical staff, and janitorial staff to ensure proper segregation at the source.

##### **Education of Sanitary Workers**

- Sanitary workers will receive training on color-coding and proper attire for waste collection, transportation, and disposal.

##### **Waste Transportation**

- The Waste Management Officer ensures proper and safe carriage of waste in color-coded garbage.

##### **Waste Storage Rooms Area**

- Designated storage areas for infectious, sharps, and municipal waste, following specified colors.



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#### **Incinerator**

- Daily incineration of infectious and sharps waste by the designated incinerator operator.

#### **5. SOPS FOR LABORATORIES**

Standard Operating Procedures (SOPs) for laboratories include:

- Fixed waste bins with educational posters on proper waste disposal.
- Color-coded waste bins and garbage bags for infectious, sharps, and general waste.

#### **6. SEGREGATION**

- Emphasis on segregation at source by technicians and lab in charge.
- Waste Management Officer ensures safe segregation at final disposal points.

This detailed waste management plan reflects LIMHS's commitment to a systematic, ethical, and environmentally responsible approach to waste disposal.

**Principal**  
**Liaquat Institute of Medical and**  
**Health Sciences, LIMHS, Thatta.**