

Biomedical Waste Management

At Government Medical College Hospital, Jalgaon, we're deeply committed to **safe, responsible, and eco-friendly biomedical waste management** to protect patients, staff, the public, and the environment. We strictly follow the **Biomedical Waste Management Rules, 2016 (and amendments)** issued by the Ministry of Environment, Forest and Climate Change, Government of India, and comply with guidelines from the **Maharashtra Pollution Control Board**.

Key Components of Our Biomedical Waste Management System

Segregation at Source

- Waste is carefully separated right at the point of generation using **color-coded containers** as per regulatory norms.
 - Categories include infectious waste, sharps, anatomical waste, soiled waste, pharmaceutical waste, and general waste.
 - Strict segregation practices are followed in all departments, wards, operation theatres, and labs to prevent cross-contamination.
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Color-Coded Containers and Liners

- **Yellow Bags:** Human anatomical waste, soiled dressings, expired medicines.
 - **Red Bags:** Contaminated plastic waste like IV sets, tubing, gloves.
 - **White (Translucent) Puncture-Proof Containers:** Sharps such as needles, scalpels, blades.
 - **Blue Containers:** Glassware, metallic implants, and broken vials.
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Collection and Internal Transport

- Leak-proof, dedicated trolleys move waste safely from clinical areas to the central storage location.
- Staff use full **personal protective equipment (PPE)** during handling to ensure safety.
- Regular, documented collection schedules prevent accumulation in patient-care areas.

Disinfection and Pre-Treatment

- Sharps are disinfected and rendered unusable using needle cutters and chemical disinfectants.
- Liquid waste from labs and cleaning processes is treated with appropriate disinfectants before disposal.

Secure Storage

- Waste is stored temporarily in a **designated, secure, and ventilated storage room** within hospital premises.
- Storage time strictly limited to **48 hours** to avoid odours or pathogen growth.

Authorized Disposal

- Partnered with a **government-authorized Common Biomedical Waste Treatment and Disposal Facility (CBWTF)**.
- Segregated, labelled waste is handed over daily for safe treatment methods such as **incineration, autoclaving, shredding, and secured landfill disposal**.

Training and Awareness

- Regular training sessions for doctors, nurses, housekeeping staff, and waste handlers on best practices in biomedical waste management.
- Clear guidelines and educational posters displayed throughout the hospital to reinforce compliance.

Record-Keeping and Monitoring

- Daily logs maintained detailing waste quantity, category, and disposal methods.
 - Annual reports submitted to the Maharashtra Pollution Control Board.
 - Internal audits and inspections ensure continuous compliance and improvement.
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Personal Safety Measures

- Staff involved in waste handling are provided with **gloves, aprons, masks, and other PPE**.
 - **Hepatitis B vaccination** is promoted among healthcare workers for added protection.
 - Clear protocols for immediate first aid and reporting in case of **needle-stick injuries or exposure incidents**.
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Our Commitment to Environmental Responsibility

Government Medical College Hospital, Jalgaon, is dedicated to **minimizing the environmental impact** of healthcare activities. Through strict regulatory compliance, ongoing staff education, and collaboration with certified disposal facilities, we ensure **safe, sustainable, and environmentally responsible management** of all biomedical waste generated.