

**SJH Policy on Bio-medical waste management for BMW from patients in COVID-19
Wards/ICUs/Labs/OTs
Version 3: Dated 28.4.2020**

As per BMWM (Principle) rules 2016 and BMWM (Amendment) rules 2018, 2019, Guidelines for Handling, Treatment and Disposal of Waste generated during treatment/Diagnosis /Quarantine of COVID-19 patients, CPCB, 18 April 2020

Following specific guidelines for management of waste generated during diagnostics and treatment of COVID-19 suspected / confirmed patients, are required to be followed by all the stakeholders including isolation wards, sample collection centers, laboratories, in addition to existing practices under BMW Management Rules, 2016. These guidelines are based on current knowledge on COVID-19 and existing practices in management of infectious waste generated in hospitals while treating viral and other contagious diseases like HIV, H1N1, etc. These guidelines will be updated if need arises. This Version 3 of guidelines is done mainly to incorporate specific requirements and responsibilities of persons. Guidelines brought out by WHO, MoH & FW, ICMR, CDC and other concerned agencies from time to time may also be referred.

Biomedical waste categories and their segregation, collection, treatment, processing and disposal options in Safdarjung Hospital and VMMC. Only pretreatment and segregation will be done in the hospital and the final disposal will be done by common biomedical waste treatment and disposal facility (CBMWTF). Biomedical waste devices, articles generated during diagnosis, treatment, management, immunization etc from patients with COVID-19 and HCW working in such Ward/Opd/Lab/OTs etc should be managed in accordance with safe routine procedures and rules.

Yellow Category

(a) Human Anatomical Waste:

Human tissues, biopsy: Yellow coloured non-chlorinated plastic bags.

Animal anatomical waste: Yellow coloured non-chlorinated plastic bags

(b) Soiled Waste:

Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components are disposed off in yellow bag.

(c) Cytotoxic drug vials shall not be handed over to unauthorised person under any circumstances. Expired cytotoxic drugs to be returned back to the manufacturer or supplier for incineration at temperature $>1200^{\circ}\text{C}$. Leftover cytotoxic drugs and items contaminated with cytotoxic drugs along with glass or plastic ampoules, vials etc to common biomedical waste treatment facility for incineration at $>1200^{\circ}\text{C}$ in yellow bag or container with cytotoxic label.

(d) Chemical Waste:

Chemicals used in production of biological and used or discarded solid disinfectants, residual or discarded chemical solid waste and chemical sludge are discarded in yellow coloured non-chlorinated plastic bags or containers and disposed of by incineration by CBMWTF.

(e) Liquid waste generated due to use of chemicals in production of biologicals, used or discarded disinfectants, patients samples infected secretions, aspirated body fluids liquid from laboratory, ward, OT and disinfecting activities etc should be collected separately and made safe by disinfection by chemical treatment using 1-2% sodium hypochlorite solution for a contact period of 30 min and directed to effluent treatment system or then discharged into drains/sewers. The combined discharge should conform to the discharge norms given in schedule III, as per BMWM (Principal) rules, 2016.

BMW UNIT: VMMC & SJH