

**GOVERNMENT OF ANDHRA PRADESH
HEALTH MEDICAL & FAMILY WELFARE DEPARTMENT**

Memo No.08/COVID-19/2020.

Date: 27.3.2020

Sub: HMFWD – COVID-19 – Guidelines for Management of Bio Medical Waste – regarding.

COVID INSTANT ORDER - 8

I. Guidelines for Management of Bio-Medical Waste Contaminated / Suspected to be contaminated with COVID-19 in Health Facilities.

Healthcare Facilities having patients tested positive for COVID-19 need to follow these steps to ensure safe handling and disposal of biomedical waste generated during treatment;

1. Keep separate bins/bags/containers (yellow colour) in isolation wards and maintain proper segregation of waste.
2. As a precaution, double layered bags (using 2 bags - to ensure adequate strength and no-leaks) shall be used for collection of waste from COVID-19 isolation wards.
3. Collect and store biomedical waste separately prior to handing over the same to Biomedical Waste Disposal Agency.
4. Use a dedicated collection bin in every ward and mandatorily label it as "COVID-19" to store COVID-19 waste separately in temporary storage room prior to handing over to Biomedical waste disposal agency.
5. Biomedical waste collected in isolation wards can also be lifted directly from ward into Biomedical waste disposal agencies collection van.
6. In addition to mandatory labelling, bags/containers used for collecting biomedical waste from COVID-19 wards, should be labelled as "COVID-19 Waste". This marking would enable Biomedical waste disposal agencies to identify the waste easily for priority treatment and disposal immediately upon the receipt.
7. Mixing of COVID-19 waste with the biomedical waste from other wards, general waste etc, should be avoided strictly.
8. General waste other than bio medical waste should be disposed as per SWM Rules, 2016 only after proper disinfection.
9. Maintain separate record of waste generated from COVID-19 isolation wards.
10. Use dedicated trolleys and collection bins in COVID-19 isolation wards. A label "COVID-19 Waste" to be pasted on these items also.
11. The (inner and outer) surface of containers/bins/trolleys used for storage of COVID-19 waste should be disinfected with 1% sodium hypochlorite solution.
12. Report opening or operation of COVID-19 isolation ward to State Pollution Control Board
13. Sanitation workers shall be specially trained separately for disinfecting and BMW and general solid waste so that waste can be collected and transferred timely to respective temporary waste storage area.

II. Guidelines for Management of Bio-Medical Waste Contaminated / Suspected to be contaminated with COVID-19 at Sample Collection Centres and Laboratories

1. Report opening or operation of COVID-19 sample collection centres and laboratories to concerned State Pollution Control Board
2. Sample should be collected by a designated clinician as per protocols defined.

MOST URGENT

3. The waste generated during sample collection should be collected in a double bagged dedicated collection bin mandatorily labelled "COVID-19" waste.
4. To store COVID-19 waste separately in temporary storage room prior to handing over to Biomedical waste disposal agency.

III. Guidelines for Management of Bio-Medical Waste Contaminated / Suspected to be contaminated with COVID-19 at Quarantine Camps for COVID-19 suspected patients

1. Less Quantity of biomedical waste is expected from quarantine centres. However, quarantine camps for suspected COVID-19 cases shall follow these steps to ensure safe handling and disposal of waste.
2. Treat the routine waste generated from quarantine centres or camps as general solid waste and the same need to be disposed after disinfection. However, biomedical waste if any generated from quarantine centres/camps should be collected separately in yellow coloured bags and bins.
3. Quarantine camps/centres shall inform CBWTF operator as and when the waste is generated so that waste can be collected for treatment and disposal at CBWTFs.
4. In case of homecare for suspected patients, biomedical waste should be collected separately in yellow bags and the same shall be handed over to authorized waste collectors engaged by local bodies. ULB should report about the startup of quarantine camps or home care to CBWTFs and to request them to pick-up such waste either directly from such quarantined houses or from identified collection points.

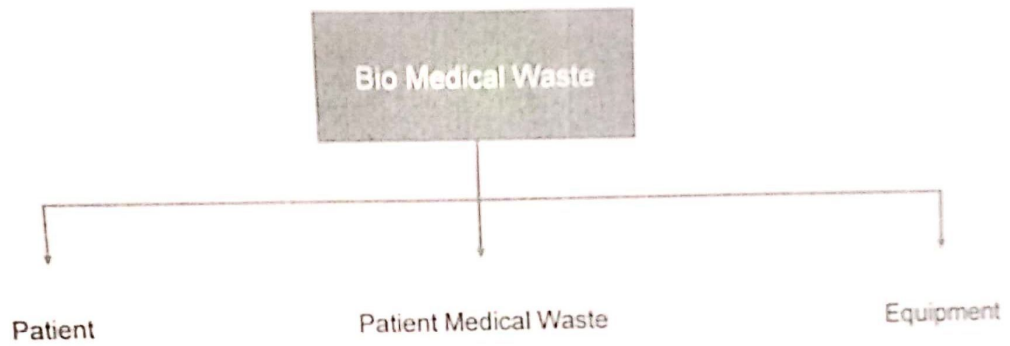
IV. Guidelines for Management of Bio-Medical Waste Contaminated / Suspected to be contaminated with COVID-19 at Biomedical Waste Treatment Facility:

1. Report to State Pollution Control Board about receiving of waste from COVID-19 isolation wards/quarantine camps/quarantined homes/COVID-19 testing centers;
2. Operator of Biomedical Waste Treatment Facility shall ensure regular sanitization of workers involved in handling and collection of biomedical waste.
3. Workers shall be provided with adequate PPEs including three layer masks. Splash proof aprons/gowns, nitrile gloves, gum boots and safety goggles.
4. Use dedicated vehicle to collect COVID-19 wastes. Vehicle should be sanitized with sodium hypochlorite or any appropriate chemical disinfectant after every trip.
5. COVID-19 waste should be disposed-off immediately with high priority upon receipt at facility.
6. In case it is required to treat and dispose more quantity of biomedical waste generated from COVID-19 treatment, Biomedical Waste Treatment Facility may operate their facilities for extra hours, by giving information to State Pollution Control Board.
7. Operator of Biomedical Waste Treatment Facility shall maintain separate record for collection, treatment and disposal of COVID-19 waste.
8. The agency should not allow any worker showing symptoms of illness to work at the facility. The agency should provide adequate leave to such workers and by protecting their salary.

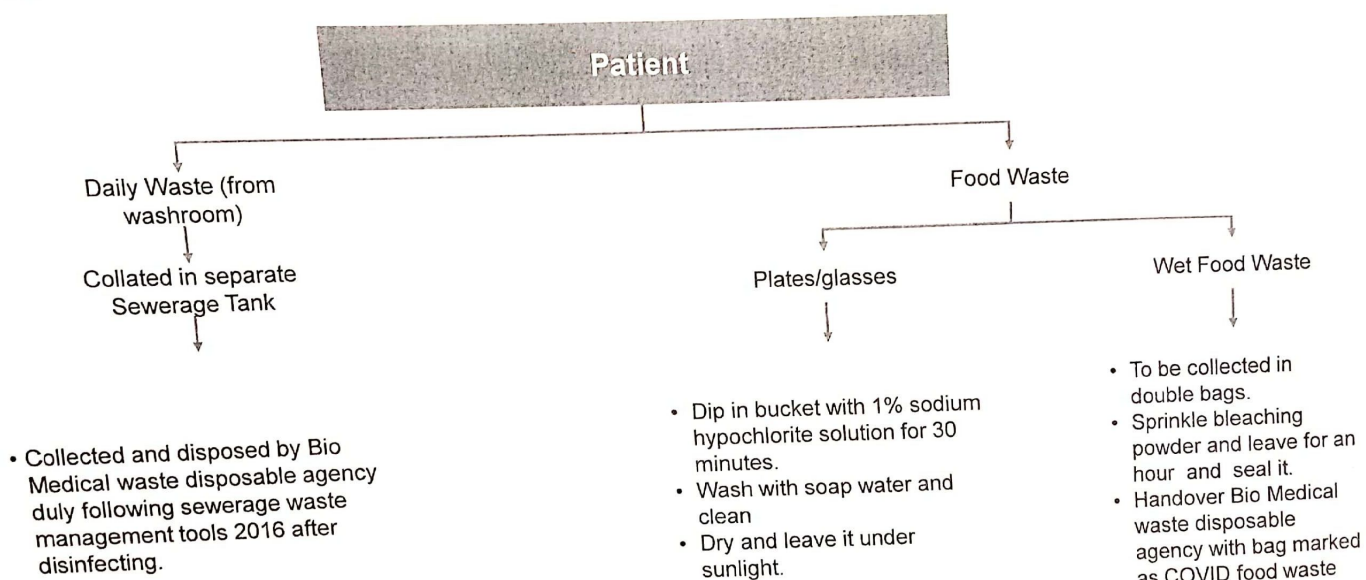

SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
All the Collector & District Magistrates
Copy to:
All the Joint Collector & additional district magistrates
All the DM&HOs / DCHSs in the State

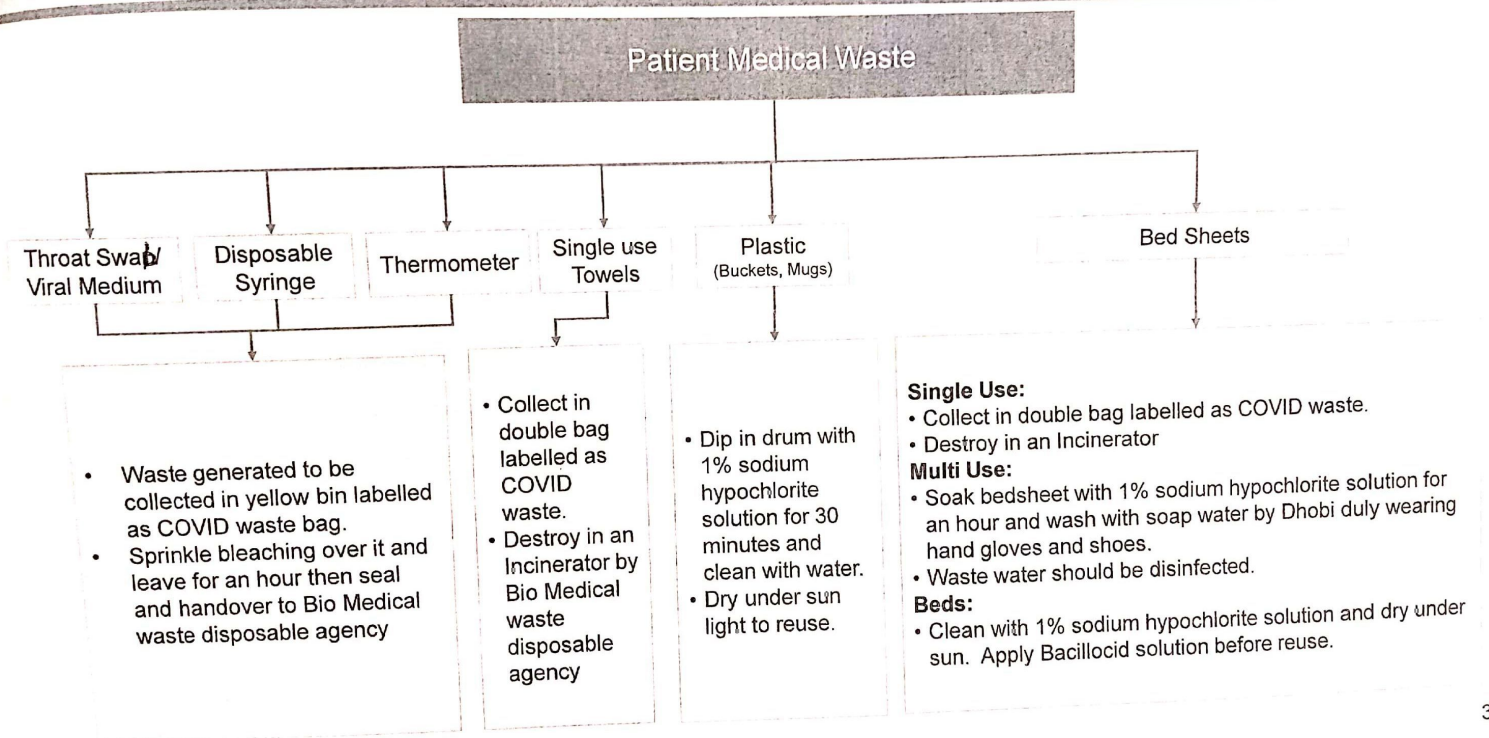
Biomedical Waste Management



1. Patient Waste Disposal



2. Patient Medical Waste Disposal



3. Equipment Waste Disposal



1. All the disposable kits like tubes, airways, circuits and etc have to be collected and dipped in a bucket with 1% Sodium hypochlorite solution for about half an hour and to be sealed in a double bags bins. Hand over the biomedical waste disposing agency with labelled as COVID 19 waste on the bag.
2. Equipment should be cleaned with 1% Sodium hypochlorite solution
3. Ventilators have to be run with a testing bag for an hour with high flow.
4. Single use disposable bed sheets have to be collected, sealed in double bags and handed over to biomedical waste agency for incineration
5. All the equipment, chairs, tables, cots and all surfaces have to be cleaned with 1% Sodium hypochlorite solution and have to be re-cleaned with bacillocid solution repeatedly.
6. Wastages like blood bags should be first autoclaved at low temperature for 30 mins and then have to be collected, sealed in double bag and handed over to the Bio Medical waste disposable agency for disposal.