



HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR-6, PANCHKULA

Ph- 0172-2568219, 2577870-73

E-mail: hspcb@hseerity@rediffmail.com

No.HSPCB/HQ/SWM/2020/ 1243-1284

Dated: 23/3/2020

To

1. The Additional Chief Secretary to Govt. Haryana Health Department.
2. The Additional Chief Secretary to Govt. Haryana Urban Local Bodies Department.
3. All Deputy Commissioners.
4. All Common Bio Medical Waste Treatment Facilities(CBMWTF) Operating in the State of Haryana.
5. All Regional Officers of Haryana State Pollution Control Board.

Subject: Guidelines for Handling, Treatment, and Disposal of Waste Generated during Treatment/Diagnosis/Quarantine of COVID-19 Patients.

Kindly refer to the subject noted above.

In this connection, it is intimated that the Central Pollution Control Board on 18th March 2020 has issued guidelines for management of waste generated during diagnostics and treatment of COVID-19 suspected/confirmed patients which is to be followed by every hospital, isolation centres, laboratories and common bio-medical waste treatment and disposal facilities. Accordingly, the following instructions are issued for strict compliance:

- Every health care facility having isolation wards for COVID-19 patients shall keep separate color-coded bins in wards and maintain proper segregation of waste as per BMW rules 2016 and as a precaution, double-layered bags should be used for collection of waste.
- HCF shall use a dedicated collection bin which shall be labelled as COVID-19 and shall be kept separately. Biomedical waste collection in such isolation ward shall be lifted directly from ward into CBWTF collection van.
- The general waste not having contamination should be disposed of as solid waste as per SWM rules 2016
- A separate record for waste generated from COVID-19 shall be maintained by all HCFs and CBWTFs concerned.
- HCF shall report the opening or operation of COVID-19 sample collection centres and laboratories to concerned SPCB.
- Quarantine Camps/Centres/home-care for suspected COVID-19 cases needs to treat the routine waste generated from quarantine centres or camps as general solid waste and to be disposed as per Solid Waste Management Rules, 2016. However, bio-medical waste if any generated from quarantine centres/camps should be collected separately in yellow coloured bags and bins, and shall be informed to CBWTF for collection and safe disposal of the waste as and when required. Waste generated from home-care suspected patients shall be collected in yellow bags and shall be handed over to authorized waste collectors engaged by local bodies, and ULB should engage CBWTFs to pick-up such waste either directly from such quarantined houses or from identified collection points.

These instructions are hereby advised to be strictly complied with by all concerned. Copy of guidelines is enclosed herewith for ready reference.

DA/Copy of Guidelines.


Sr. Environmental Engineer
(Solid Waste Management Cell)
HSPCB, Head Quarter, Panchkula.

Endst. No. HSPCB/SWM/2020/ 1285-1308

Dated: 23/3/2020

A copy of the above is forwarded to the following for information and further necessary action please:-

1. The Chief Secretary to Govt. of Haryana.
2. P.S. to Additional Chief Secretary to Govt. of Haryana, Environment & Climate Change Deptt. Chandigarh for information of the officer.
3. Director General, Health Services, Haryana with the request to direct all offices under their jurisdiction to issue directions to all concerned.
4. Director, ULB Department, Haryana with the request to direct all offices under their jurisdiction to issue directions to all concerned.
5. All Municipal Commissioners.
6. Indian Medical Association (IMA), Haryana.
7. All Branch Incharges, H.Q., HSPCB, Panchkula with the request to monitor the compliance of these guidelines of their respective jurisdiction.
8. Sr. Env. Engineer (IT) for uploading on the website of the Board.

DA/Copy of Guidelines.

 23/3/2020 SSB
Sr. Environmental Engineer
(Solid Waste Management Cell)
HSPCB, Head Quarter, Panchkula.

**Guidelines for Handling, Treatment, and Disposal of Waste Generated during
Treatment/Diagnosis/ Quarantine of COVID-19 Patients**

March, 2020



Central Pollution Control Board

(Ministry of Environment, Forest & Climate Change)

Parivesh Bhawan, East Arjun Nagar

Delhi - 110032

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Guidelines for Handling, Treatment, and Disposal of Waste Generated during Treatment/Diagnosis/ Quarantine of COVID-19 Patients

In order to deal with COVID-19 pandemic, State and Central Governments have initiated various steps, which include setting up of quarantine centers/camps, Isolation wards, sample collection centers and laboratories.

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, quarantine centers, sample collection centers, laboratories, ULBs and common biomedical waste treatment and disposal facilities, 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.

Guidelines brought out by WHO, MoH&FW, ICMR and other concerned agencies from time to time may also be referred.

Guidelines for handling, treatment and disposal of COVID-19 waste at Healthcare Facilities, Quarantine Camps/Home-care, Sample Collection Centers, Laboratories, SPCBs/PCCs, ULBs and CBWTFs :

(a) COVID-19 Isolation wards:

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

- Keep separate color coded bins/bags/containers in wards and maintain proper segregation of waste as per BMW Rules, 2016 as amended and CPCB guidelines for implementation of BMW Management Rules.
- As precaution double layered bags (using 2 bags) should be used for collection of waste from COVID-19 isolation wards so as to ensure adequate strength and no-leaks;
- Collect and store biomedical waste separately prior to handing over the same CBWTF. Use a dedicated collection bin labelled as "COVID-19" to store COVID-19 waste and keep separately in temporary storage room prior to handing over to authorized staff of CBWTF. Biomedical waste collected in such isolation wards can also be lifted directly from ward into CBWTF collection van.
- 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 CBWTFs to identify the waste easily for priority treatment and disposal immediately upon the receipt.
- General waste not having contamination should be disposed as solid waste as per SWM Rules, 2016;
- Maintain separate record of waste generated from COVID-19 isolation wards

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Treatment/Diagnosis/ Quarantine of COVID-19 Patients**

- Use dedicated trolleys and collection bins in COVID-19 isolation wards. A label "COVID-19 Waste" to be pasted on these items also.
- The (inner and outer) surface of containers/bins/trolleys used for storage of COVID-19 waste should be disinfected with 1% sodium hypochlorite solution.
- Report opening or operation of COVID-19 ward to SPCBs
- Depute dedicated sanitation workers separately for BMW and general solid waste so that waste can be collected and transferred timely to temporary waste storage area.

(b) Sample Collection Centers and Laboratories for COVID-19 suspected patients

Report opening or operation of COVID-19 sample collection centers and laboratories to concerned SPCB. Guidelines given at section (a) for isolation wards should be applied suitably in case of test centers and laboratories also.

(c) Quarantine Camps/Home Care for COVID-19 suspected patients

Less quantity of biomedical waste is expected from quarantine centers. However, quarantine camps/centers/home-care for suspected COVID-19 cases need to follow these steps to ensure safe handling and disposal of waste;

- Treat the routine waste generated from quarantine centers or camps as general solid waste and the same need to be disposed as per SWM Rules, 2016. However, biomedical waste if any generated from quarantine centers/camps should be collected separately in yellow coloured bags and bins.
- Quarantine camps/centers shall inform CBWTF operator as and when the waste is generated so that waste can be collected for treatment and disposal at CBWTFs.
- In case of home-care 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 engage CBWTFs to pick-up such waste either directly from such quarantined houses or from identified collection points.

(d) Duties of Common Biomedical Waste Treatment Facility (CBWTF):

- Report to SPCBs/PCCs about receiving of waste from COVID-19 isolation wards / Quarantine Camps / Quarantined homes / COVID-19 Testing Centers;
- Operator of CBWTF shall ensure regular sanitization of workers involved in handling and collection of biomedical waste;
- Workers shall be provided with adequate PPEs including three layer masks, splash proof aprons/gowns, nitrile gloves, gum boots and safety goggles;
- Use dedicated vehicle to collect COVID-19 ward waste. It is not necessary to place separate label on such vehicles;
- Vehicle should be sanitized with sodium hypochlorite or any appropriate chemical disinfectant after every trip.

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Treatment/Diagnosis/ Quarantine of COVID-19 Patients**

- COVID-19 waste should be disposed-off immediately upon receipt at facility.
- In case it is required to treat and dispose more quantity of biomedical waste generated from COVID-19 treatment, CBWTF may operate their facilities for extra hours, by giving information to SPCBs/PCCs.
- Operator of CBWTF shall maintain separate record for collection, treatment and disposal of COVID-19 waste.
- Do not allow any worker showing symptoms of illness to work at the facility. May provide adequate leave to such workers and by protecting their salary.

(e) Duties of SPCBs/PCCs

- Shall maintain records of COVID-19 treatment wards / quarantine centers / quarantine homes in respective States.
- Ensure proper collection and disposal of biomedical waste as per BMW Rules, 2016 and SoPS given in this guidance document;
- Allow CBWTFs to operate for extra hours as per requirement;
- May not insist on authorisation of quarantine camps as such facilities does not qualify as health facilities. However, may allow CBWTFs to collect biomedical waste as and when required;
