

VALLABHBHAI PATEL CHEST INSTITUTE
UNIVERSITY OF DELHI
DELHI-110 007

VPCI/Admn.II/DPCC/BMW/2020/90

Dated: 20.04.2020

CIRCULAR

Sub: **Compliance of Guidelines published by CPCB regarding Collection, Treatment and Disposal of BMW generated from isolated units made in various Hospitals / Laboratories / Quarantine Centres for treatment / testing of patients affected from COVID-19 (Corona Virus) – regarding**

Please find enclosed herewith a copy of letter F.No.DPCC/BMW/140/2020/21458 dated 20.03.2020 of Delhi Pollution Control Committee (DPCC), Department of Environment, Govt. of NCD of Delhi forwarding the guidelines dated 18.03.2020 published by Central Pollution Control Board for strict compliance.

Further, they have also informed that two Common Bio-Medical Waste Treatment Facilities (CBWTF) operating in Delhi, have also made available 24x7 helpline numbers for ensuring urgent collection and scientific & safe disposal of this waste.

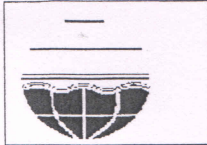
All the faculty members and HoDs are requested to ensure to strict compliance the CPCB's guidelines.

This issues with the approval of the competent authority.



Joint Registrar

All Faculty Members/HODs
VPCI



DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT, (GOVT. OF NCT OF DELHI)
4th & 5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-6
(visit us at website : <http://dpcc.delhigovt.nic.in/>)

F. No. DPCC/BMW/140/2020/21458

Dated: 20.03.2020

To,
The Medical Superintendent/ Director
VALLABH BHAI PATEL CHEST INSTITUTE
GATE NO.3 UNIVERSITY OF DELHI, DELHI 110007

8 APR 2020

Sub: Compliance of Guidelines published by CPCB regarding Collection, treatment and disposal of BMW generated from isolated units made in various Hospitals / laboratories / Quarantine centers for treatment/ testing of patients affected from COVID-19 (Corona Virus)-regarding.

Sir/Madam

Please find enclosed the guidelines dated 18.03.2020 published by Central Pollution Control Board on the above subject for strict compliance please. The two Common Bio-Medical Waste Treatment Facilities (CBWTF) operating in Delhi, have also made available 24x7 helpline numbers for ensuring urgent collection and scientific & safe disposal of this waste. Details are as below:

S.No	Service Provider	Address	Districts allotted	Helpline No.
1.	SMS Water Grace BMW (P) Ltd	DJB, S.T.P., Nilothi, New Delhi-41	West, South West, Central, East, Shahdara and North East	Toll Free No. 18002740055 8744076032, 8744076034
2.	Biotic Waste Solutions Pvt. Ltd.	46-47, SSI Ind Area, Delhi-33.	North, North West, New Delhi, South and South East	9899910083, 9667331276, 9560896389

Yours Sincerely,

(Signature)
(Ajanta Dayal Agrawal)
SEE (WMC I)

DP
Important Paper

**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

[Handwritten signature]

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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**Guidelines for Handling, Treatment, and Disposal of Waste Generated during
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 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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**Guidelines for Handling, Treatment, and Disposal of Waste Generated during
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 / quarantines 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;

