



CP-27/2/2022-WM-I-HO-CPCB-HO/ 7635-7679

19 December, 23

To,

The Member Secretary,
(All the SPCBs/PCCs)

Sub: Registration of the Recyclers of Waste Lithium Ion Batteries (LIBs) under Battery Waste Management Rules, 2022 – regarding.

Sir,

This is with reference to the various communications being received from SPCBs and Recyclers of LIBs regarding registration of Recyclers of (non-shredded/un-broken) waste lithium ion batteries under Battery Waste Management Rules, 2022 and also the requirement of permission under Rule 9 of HOWM Rules, 2016 for the facilities involved in utilization of hazardous wastes such as black-mass generated from shredding/breaking of LIBs.

In this regard, it is to inform that CPCB is in the process of developing technical guidelines for recycling of various waste batteries including LIBs. Separate trial studies are also in progress for development of SOPs for utilization of hazardous wastes such as black-mass generated from the breaking/shredding of LIBs, for recovery of resource material as per provisions under Rule 9 of HOWM Rules, 2016. These guidelines and SOPs are expected to be completed within 3 months.

While the aforesaid guidelines / SOPs for effective implementation of EPR regulation is in progress, SPCBs/PCCs may consider registering the recyclers of waste Lithium Ion batteries involved in (i) recycling of waste LIB to Black mass, (ii) integrated waste LIB recycling facility and (iii) recovery of material from black mass (generated from waste LIBs) under Battery Waste Management Rules, 2022 as amended, by ensuring the following minimal requisite operations/facilities (depending on type of recycling process);

- Dedicated spaces for receipt and storage of waste battery;
- Waste LIB discharging operation;
- Facility for crushing / breaking of battery packs/batteries with Air Pollution Control Systems;
- Separation of components aluminium, copper, iron, plastics, anode & cathode material (black mass);
- Hydro-metallurgical operations to recover key metal salts like cobalt, nickel, manganese, zinc, lithium, cadmium etc. – the reactors to be connected with suction hoods and suitable APCDs (such as scrubbers);
- Pyro-metallurgical operations to make metal ingots – the furnace to be connected with suction hoods and suitable APCDs (such as scrubbers);
- Effluent Treatment Plant for the process wastewater, if any;
- The recycling facility shall provide adequate occupational safety measure, employ train manpower, have linkage with Common TSDF for non-recyclable / utilisable hazardous waste and maintain records of all procurement and sale of various recovered products.

Note:

- These facilities shall also be authorised under Rule 6 of HOWM Rules, 2016
- The facilities involved in utilisation of black mass generated from waste LIBs for production of metal compounds shall also have permission under Rule 9 of HOWM Rules.
- While granting CTO, SPCBs may also stipulate general standards notified under E(P)A, 1986 for discharges and emissions respectively, as applicable including any other specific measures to ensure safe recycling.

Yours faithfully


(Bharat Kumar Sharma)
Member Secretary

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in



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Copy to:

- The Regional Directorates
(All RD, CPCB)

Yours faithfully

(Bharat Kumar Sharma)
Member Secretary

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‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

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List of all the State Pollution Control Boards (SPCBs) & Pollution Control Committees (PCCs)

1.	The Member Secretary Telangana Pollution Control Board Paryavaran Bhawan, A-III Institutional Estate, Sanathnagar Hyderabad - 500018.
2.	The Member Secretary Andhra Pradesh Pollution Control Board D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada - 520 010
3.	The Member Secretary Arunachal Pradesh Pollution Control Board Department of Environment & Forests, Paryavaran Bhawan, Yupia Road, Papu Nalah, Naharlagun- 791110
4.	The Member Secretary Assam Pollution Control Board Bamunimaiden, Guwahati - 781 021
5.	The Member Secretary Bihar Pollution Control Board Parivesh Bhawan, Plot No. NS-B/2 Patliputra Industrial Area, Patliputra, Patna (Bihar)-800023
6.	The Member Secretary Chhattisgarh Environment Conservation Board Paryavas Bhawan, North Block Sector-19, Naya Raipur (C.G.)- 492002
7.	The Member Secretary Goa Pollution Control Board Near Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao, Goa 403511
8.	The Member Secretary Gujarat Pollution Control Board Paryavaran Bhawan, Sector 10-A, Gandhi Nagar - 382010
9.	The Member Secretary Haryana Pollution Control Board C-11, Sector-6 Panchkula Haryana-134 109
10.	The Member Secretary Himachal Pradesh Pollution Control Board Paryavaran Bhawan, Phase-III, Below BCS, New Shimla - 171 009.
11.	The Member Secretary Shiekh-ul-Campus, behind Govt. Silk Factory, Raj Bagh, Srinagar(J&K)
12.	The Member Secretary Jharkhand State Pollution Control Board T.A. Building, HEC, P.O. Dhurwa, Ranchi-834 004

13.	The Member Secretary Karnataka State Pollution Control Board "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore-560001
14.	The Member Secretary Kerala Pollution Control Board Pattom Palace, P.O. Thiruvananthapuram - 695 004
15.	The Member Secretary Maharashtra Pollution Control Board Kalptaru Point, 2nd - 4th floor, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai - 400 022
16.	The Member Secretary Madhya Pradesh Pollution Control Board Paryavaran Parisar, Sector E-5, Arera Colony, Bhopal - 462 016
17.	The Member Secretary Manipur Pollution Control Board Near Imphal West D.C. Office Complex, Lamphelpat, Imphal - 795 004.
18.	The Member Secretary Meghalaya Pollution Control Board Arden, Lumpynggad, Shillong - 793 014
19.	The Member Secretary Mizoram Pollution Control Board New Secretariat Complex, Khatla, Aizawl, Mizoram - 796001
20.	The Member Secretary Nagaland Pollution Control Board Signal Point, Dimapur, Nagaland - 797112
21.	The Member Secretary State Pollution Control Board, Odisha Paribesh Bhawan, A-118, Nilakantha Nagar, Unit-VIII, Bhubaneswar - 751 012.
22.	The Member Secretary Punjab Pollution Control Board Vatavaran Bhawan, Nabha Road Patiala - 147 001
23.	The Member Secretary Rajasthan Pollution Control Board 4, Institutional Area, Jhalana Doongri Jaipur - 302 004, Rajasthan.
24.	The Member Secretary State Pollution Control Board Forest, Environment Wildlife Management Department Government of Sikkim, Forest Secretariat Annex I, Ground Floor, Deorali, Gangtok -737102 East Sikkim
25.	The Member Secretary Tamil Nadu Pollution Control Board No. 76, Mount Salai, Guindy, Chennai - 600 032

26.	The Member Secretary Tripura Pollution Control Board, Parivesh Bhawan, Pandit Nehru Complex, Gorkhabasti P.O. Kunjaban, Agartala Tripura - 799 006,
27.	The Member Secretary Uttar Pradesh Pollution Control Board Building No TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow - 226 010
28.	The Member Secretary Uttarakhand Environment Protection & Pollution Control Board 29/20, Nemi Road, Dehradun - 248001
29.	The Member Secretary West Bengal Pollution Control Board Paribesh Bhawan, 10A, Block- LA, Sector III, Salt Lake City, Calcutta- 700106
30.	The Member Secretary Chandigarh Pollution Control Committee Paryavaran Bhawan, Ground Floor Madhya Marg, Sector C19-B, Chandigarh - 160 019
31.	The Member Secretary Delhi Pollution Control Committee 4th Floor, ISBT Building, Kashmere Gate, Delhi - 110006.
32.	The Member Secretary Daman, Diu & Dadra & Nagar Haveli Pollution Control Committee Fort Area, Court Compound, Moti Daman- 396220
33.	The Member Secretary Lakshadweep Pollution Control Committee Lakshadweep Administration, Dept. Of Sc. and Technology & Environment Kavaratti Island-682 555
34.	The Member Secretary Andaman & Nicobar Pollution Control Committee Dept. Of Sc. and Technology Dollygunj Van Sadan, Haddo P.O. Port Blair - 744 102
35.	The Member Secretary Puducherry Pollution Control Committee Department of Science, Technology and Environment IIIrd floor, PHB Building, 5, Anna Nagar, Puducherry - 605005
36.	The Member Secretary, Ladakh Pollution Control Committee, Wildlife Office Building, Near Council Secretariat, Opposite Police Station Housing Colony, UT Leh Ladakh - 194101.

List of Regional Directorate

1. The Regional Director, CPCB
A-Block, Nisarga Bhavan, 1st and 2nd Floors,
7th D Cross, Thimmaiah Road, Shivanagar,
Bengaluru-560079,
2. The Regional Director, CPCB
Parivesh Bhawan, Paryavaran Parisar E-5,
Arera Colony, Bhopal-462016 Landline No:
3. The Regional Director, CPCB
BSNL Telephone Exchange, 2nd Floor,
Sector -49 C, Chandigarh – 16004
4. The Regional Director, CPCB
Second Floor, No.77-A, South Avenue Road,
Ambattur Industrial Estate, Ambattur Taluk,
Thiruvallur District, Chennai, Tamil Nadu - 600 058
5. The Regional Director, CPCB
'South end Conclave' Block-502, 5th & 6th Floor, 1582,
Razidanga, Main Road, Kolkata- 700107
6. The Regional Director, CPCB
PICUP Bhawan, Vibhuti Khand,
Gomti Nagar,Lucknow - 226010
7. The Regional Director, CPCB
Survey No. 110, Dhankude Multi-Purpose Hall,
Baner Road, Baner, Pune -411045
8. The Regional Director, CPCB
"TUM-SIR". Lower Motinagar,
Near Fire Brigade H.Q., Shillong- 793014
9. The Regional Director, CPCB
Parivesh Bhawan, Opp. Ward No. 10 VMC Office
Subhanpura, Vadodara – 390 023