

# MIZORAM POLLUTION CONTROL BOARD

No.H.88088/Poltn/138/2023-MPCB

:

Dated Aizawl, the 30<sup>th</sup> January, 2024

## CIRCULAR No. 4 of 2024

### CRITERIA FOR ESTABLISHING FACILITY FOR WASTE LITHIUM-ION BATTERIES.

As per the direction of the Central Pollution Control Board to all SPCB/PCCs vide order No. CP-27/2/2022-WM-I-HO-CPCB-HO/7653, Dated 19.12.2023, recyclers of waste Lithium Ion Batteries (LIB)s under Battery Waste Management Rules, 2022, are required to get registered to Central Pollution Control Board 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.

These aforesaid units (depending on type of recycling process) shall be equipped with the following minimal requirements before registering to the portal, as follows:-

- 1) Dedicated spaces for receipt and storage of waste battery;
- 2) Waste LIB discharging operation;
- 3) Facility for crushing/breaking of battery packs/batteries with Air Pollution Control Systems;
- 4) Separation of components aluminium, copper, iron, plastics, anode & cathode material (black mass);
- 5) 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);
- 6) Pyro-metallurgical operations to make metal ingots - the furnace to be connected with suction hoods and suitable APCDs (such as scrubbers);
- 7) Effluent Treatment Plant for the process wastewater, if any;
- 8) 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;
- 9) Consent under Air (Prevention and Control of Pollution) Act, 1981, and Water (Prevention and Control of Pollution) Act, 1974.
- 10) Authorisation under Rule 6 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016;
- 11) 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 the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.



(C. LALDUHAWMA)

Member Secretary

Mizoram Pollution Control Board.