

BATTERY WASTE KHAWNTUTE KAIHHRUAINA (SOP)

1. Battery in a huamte:

- Portable Battery (recharge theih leh theih lohte)
- Industrial and Automotive Batteries
- EV Batteries
- Lead-acid, Lithium-ion, nickel-cadmium, zinc-based Batteries.

2. Guidelines tangkaina:

Battery hlui (Waste battery) atanga chhuakin kan chheh vel (environment), a tihchhiat loh nan him leh tha taka:

- Khawn
- Sawngbawl
- Dah that
- Phurh
- Siam nawn leh emaw
- Siam that lehna atan

3. Collection Centre din duh te tana hriattur pawimawh.

I. Mizoram Pollution control Board atanga phalna neih ngei ngaite :

- a) Din tan hma –in : **Consent To Establish** (UCAMS portal emaw form hmangin)
Air (Prevention and Control of Pollution) Act, 1981 leh Water
(Prevention and Control of Pollution) Act, 1974 hnuaiah

b) Hnathawh tan hmain:

i. Consent To Operate (Air & Water Act)

ii. Authorization (Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

II. Phalna atana document ngaite:

- a) Site plan
- b) Local Council/ Village Council remtihna
- c) **Producer, Recycler emaw Refurbisher** ni kher lo Collection Centre ten
Producer, Recycler, Refurbisher eamw te nena inremsiamna/thawhhona
(Partnership deed)

4. Collection Centre-in hmanrue leh khawl neih ngai te.

- Weighing equipment** (Bukna khawl) : Battery chhia dawn apiang buk nan
- Battery chi hrang hrang (Lead acid , Lithium-ion, Zinc-based, Nickel-Cadmium) hi a hran theuha dah khawlina (store) –na tur
- Kangmei laka invent nan, kang thelhna hmanrue, fire extinguisher emaw, CO₂ emaw inert-gas fire suppression system emaw te.

5. Collection Center-a tih tur leh tih loh turte

- i. Battery chhia dawn apiang buka, felfai taka record nghal zel tur.
- ii. Battery chhia, a chi hrang hrang dah hranna hmun inkarah hmun awl (space) siam tur.
- iii. Battery chhia, thiah sawm emaw thiah darh phal a ni lo.
- iv. Collection centre chhungah ni **90** aia rei battery chhia kawl tur a ni lo.

6. Battery type hrang hrang dah that (store) dan tur.

Battery Type	Battery Chemistry	Storage Container
	1) Alkaline batteries <i>Entirna : Pencil Battery etc.</i>	
	2) Button Batteries <i>Entirna : Sana Battery, calculator battery etc.</i>	
	1) Lithium and Lithium-ion (small) <i>Entirna : Smartphone, tablets etc.</i>	
	2) Nickel Metal Hydride <i>Entirna : Laptop chhuak hlui, computers, two-way radios (walkie-talkies), cordless phones etc.</i>	
	3) Nickel-Cadmium Battery <i>Entirna : Industry leh kawlphe-tha hmun (sub-station), emergency light a hman chi tc.</i>	
Mixed Batteries (containers with alkaline, lithium and others)	Recharge theih leh recharge theih loh ho	Plastic Bur / Box
Industrial and Automotive Batteries	Used Lead Acid Battery <i>Entirna : Car Battery, UPS leh Inverter Battery te etc.</i>	Dahchhan chungah ngil taka daha, motor a phurh dawn pawhin uluk taka electric kaltlang theiloo phuara kalpui tur a ni.
EV battery – two, three, and four wheeler	Large Lithium-ion battery <i>Entirna :Data center hmuna emergency power backup systems atana hman thin, hospitals leh telecom hmanrua atana battery an hman thin, electric motor car a battery hman, van motor, bus etc.</i>	Dahchhan chungah ngil taka daha, motor a phurh dawn pawhin uluk taka electric kaltlang theiloo phuara kalpui tur a ni.

7. Waste Battery-te phurh (Transport) dan tur.

- Battery chhia phurtu motor chuan Motor Vehicles Rules leh CPCB guidelines te a zawm tur a ni.
- Battery chhia neitu emaw, khawntu (occupier) emaw chuan a phur tu (transporter) hnenah **Form 9** hmangin a hlauhawm dan leh harsatna thlen thut a hmalak dan tur pawimawh a hrilh hria ang a, chutiang bawkin thil phurhna bawm-ah **Form 8** hmangin *bawhlawh hlauhawm* tih a tar /bel/ziak tur a ni.
- State danga tih ral tura phurh a nih dawn chuan, tirtu (sender) chuan *a dahna tur State leh bawhlawh neitu State Pollution Control Board* ve ve atangin ‘No Objection Certificate’ (NOC) a la hmasa tur a ni.
- Lithium-ion waste battery transport a nih dawnin, battery a charge awm zat, **State of Charge (SoC) chu, 30% aia hniam** a dah tur a ni. Full charge- a phur lovin paih thawl **(discharge) hmasak tur** a ni.
- Waste battery chu recycling center a kalpui hma-in, **State Pollution Control Board (SPCB)** hriatpuina hnuaiah, **HOWM Rules, 2016, Rule 19**-na zawmin *Manifest siam vek tur a ni*.
- Waste Battery chu transport laiin kangmei chhuak palh laka him nan, **fire-fighting equipment, entirnan regular fire extinguisher**, motor-ah dah tel tur a ni.

6. Annual Return

Collection Centre chuan Sawrkar kum hmasa zel a tan **FORM 4** hmangin Annual Return an siam tur a ni a, kum tin **June ni 30** hmain a awmna SPCB - ah a submit thin tur a ni.