

**Status Review Report on Implementation of
Batteries (Management and Handling) Rules, 2001
(as amended thereof)**

2019-20

**CENTRAL POLLUTION CONTROL BOARD
Ministry of Environment, Forest and Climate Change, Govt. of India
Parivesh Bhawan, East Arjun Nagar
Delhi-110032**

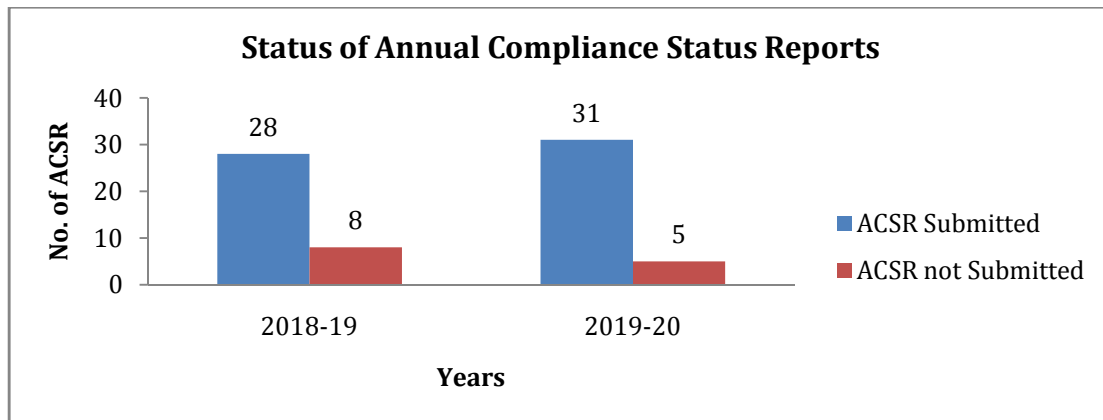
1.0 Background

The Batteries Management and Handling Rules were notified in the year, 2001 with the primary objective of channelizing the used lead acid batteries for environmentally sound recycling. The Rules mandates State Pollution Control Boards to seek data on sale, import, generation, collection and recycling of used batteries from manufacture, assembler, re-conditioners, importer, auctioneers and batteries recyclers' for keeping track of used batteries.

2.0 Annual Compliance Status Report (ACSR):

As per provisions under Rule 12 of Battery Rules, SPCBs/PCCs were given the responsibility of submitting Annual Compliance Status Reports (ACSR) to Central Pollution Control Board by 30th April every year.

CPCB has received annual compliance status reports form 31 SPCBs/PCCs during the year 2019-20. 05 SPCBs/PCCs namely A&N Islands, Arunachal Pradesh, Jharkhand, Lakshweep and Manipur have not submitted annual report. Complied annual information indicates that 54,72,893 MTA of batteries have been sold by manufacturers and importers out of which 4,60,384 MTA of batteries were sent to registered recyclers during the year 2019-20. State-wise detail of annual compliance status for the year 2019-2020 is given in **Annexure-1**.



3.0 Submission of Annual Report of Batteries Rules

30 State Board has submitted annual compliance Report on Batteries Rules for the year 2019-2020. Gaps identified in compliance reports have been communicated to concerned SPCB/PCC for clarification, major gaps identified are as below;

- Returns are not submitted by various stakeholders like manufacturers, dealers, recyclers, auctioneers, bulk consumers.
- Report lacking the information of Dealers in the state.
- Information be provided both in terms of number and weight (MT/KG).

4.0 Follow-up Action taken by CPCB:

CPCB conducted meeting with SPCBs/PCCs on 19th April, 2021 and 17th February, 2022 to discuss Annual Compliance Status Report to ensure effective implementation of Batteries Rules, 2001. During the said meeting following action points were informed to State Boards:

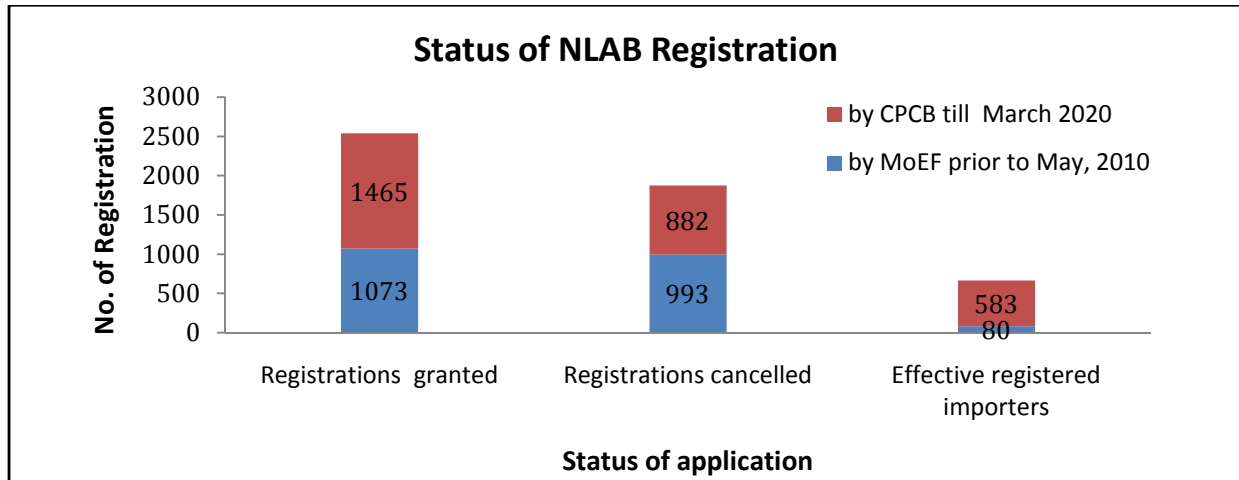
- SPCBs/PCCS who have not submitted ACSR shall submit within one week.
- SPCBs/PCCs who had already submitted annual report may like to update their reports and re-submit to CPCB within one week;
- SPCBs/PCCs shall develop a mechanism to ensure registration of all Dealers in the State/UT;
- SPCBs/PCCs shall ensure to submit data related to new or used batteries be provided both in terms of number and weight (MT/KG) in ACSR.
- Issue Notices/directions against defaulting stakeholders for compliance Batteries (M&H) Rules 2001, and ensure follow-up action against non-complying stakeholders.; and
- Identify and close-down illegal battery waste recyclers, all types of battery melting/smelting in workshops including illegal batteries manufacturers.

4.0 Registered Importers of New Lead Acid Batteries in the Country:

As per the provision under Rule 5 Batteries (M&H) Rules, 2001 and as amended in 4th May 2010, the responsibility of granting registration to importers of the new lead acid batteries has been transferred to Central Pollution Control Board (CPCB) from Ministry of Environment, Forest and Climate Change.

2538 importers had been registered till March, 2020 for import of new lead acid batteries. Registration of importer of New Lead Acid Batteries is being done through CPCB Batteries (Importer) Registration and Management System (BRMS) portal. The status of application of importer of new lead acid batteries and registration granted to importers are available on BRMS portal. CPCB has cancelled registrations of 1875 importers for failing to comply with conditions of registration. There are 663 valid registered importers till March, 2020 details given at **Annexure -2** and **Annexure -3**;

Due to non-compliance, CPCB has canceled the registration of about 184 importers of new lead acid batteries in the financial year 2019-20.



5.0 Authorised/Registered Batteries Recyclers:

Used lead acid batteries are required to be collected and sent to registered recycler. As per rules, Importer of New Lead Acid Batteries are required to collect 90% of batteries placed in market and sent to registered recycler for recycling.

State Pollution Control Boards/Pollution Control Committees are the designated authorities for grant and renewal of registration of recyclers having environmentally sound recycling facilities for recycling of lead acid batteries/plates/other lead scrap/ashes and residue under hazardous waste management rules notified under E(P) Act, 1986 . The said recyclers also come under the preview of channelization of used lead batteries under the provision of batteries rules 2001.

These recyclers are granted authorization as per the technical guidelines for environmentally sound recycling of lead bearing wastes published by CPCB. SPCBs shall ensure compliance to these guidelines prior to issuance of authorization to these lead acid battery recyclers.

As per annual reports information received from SPCBs/PCCs, there are 672 registered used lead acid battery recycling units in the country and total established recycling capacity is 35,30,842 MTA. State-wise list of recyclers and their installed capacities are given at **Annexure-4**

6.0 Observations on ACSR:

The information provided by SPCBs/PCCs is in-adequate with respect to number of dealers, manufacturers, assemblers and re-conditioners. SPCBs/PCCs did not have complete list of stakeholders involved in implementation of Batteries Rule, which reflects poor status of implementation of Batteries Rules in almost all the States/UTs. Therefore, there is a need to update the inventory by SPCBs/PCCs. The stakeholders (manufacturers, importers, re-conditioners, assemblers, bulk-consumers and auctioneers) should submit the timely returns to SPCBs. Data provided in **Annexure-1** also does not reflect the indicative market of sale of batteries in the country.

7.0 Gaps in Implementation of Batteries (M&H) Rules, 2001:

Based on the scrutiny of annual compliance status report on implementation of Batteries Rules, 2001, following gaps have been observed by CPCB;

- I. Incomplete annual inventory : Annual inventory on numbers of batteries manufacturers, importers, re-conditioner, assemblers, bulk-consumers, recyclers etc is not complete;
- II. Provisions for collection of used batteries as required under Batteries (M&H) Rules, 2001 is not complied by manufacturers, importer, assembler and re-conditioner.
- III. Timely submission of Half-Yearly Return w.r.t. sales is not implemented properly by the stakeholders.
- IV. Adequate numbers of collection centers not provided by the manufacturers for giving back the used batteries;
- V. Every batteries dealer is not registered by SPCBs/PCCs;
- VI. New Lead Acid Batteries are being sell to registered dealers as required under Batteries (M&H) Rules, 2001;
- VII. Proper Inventory of stakeholders such as Manufacture, Importer, Dealer etc. by SPCBs;
- VIII. Lack of involvement of Manufacturers in creating collection points, providing awareness and in channelization of used batteries as required under Batteries Rules, 2001. The extended producer's responsibility has not been outlined in the Rules clearly;
- IX. Lack of action against defaulting stakeholder; and
- X. Lack of action against illegal or informal backyard recyclers of lead acid batteries operating in the State.

8.0 Recommended:

- i. State Boards/Committees shall issue public notices in newspapers, radio, Television and other media such as hand-outs, brochures, newsletters, etc.
- ii. State Boards/Committees to prioritise implementation of Batteries Rules, 2001 and address following implementation issues identified in this report.
 - Inventory of stakeholders
 - Issue directions to stakeholders
 - Ensure compliance by stakeholders
 - Identify and close down all illegal or informal backyard recyclers of lead acid batteries
 - File annual reports to CPCB

- iii. Manufacturers shall be directed;
 - a. Set-up collection centres and file annual reports periodically and accurately;
 - b. to conduct periodic mass awareness programmes throughout the country including regional level/ district level jointly by SPCBs, PCCs and all stake holders;
 - c. Use media such TV, social media etc.

- iv. Identify and take action illegal battery waste recyclers, including all types of illegal smelting Batteries including illegal batteries manufacturers.

SPCBs/PCCs submitted Annual Compliance Status Reports (ACSR) for the year 2019-2020

2019-20	S. No.	Name of State PCB/PCC	Importer *			Manufacturer			Dealer			Recycler			Auctioneer			Re-conditioner			Assembler			Bulk-consumer		
			No of Return Submit	Sold Weight (Kg)		No of Return Submit	Sold Weight (Kg)		No of Return Submit	Sold Weight (Kg)		No of Return Submit	Wt/No. of used Batter		No of Return Submit	Sold Weight (Kg)		No of Return Submit	Sold Weight (Kg)		No of Return Submit	Sold Weight (Kg)		No of Return Submit	Sold Weight (Kg)	
N	1	A&N Islands	0	NA	NA	Not Submitted																				
Y	2	Andhra Pradesh	22	8	11479558	10	3	17420987.6	125	91	4470235.7	20	17	42325015	1	1	60 Pcs	NP	NP	NP	1	1	6696	24	24	42497.58
N	3	Arunachal Pradesh	0	NA	NA	Not Submitted																				
Y	4	Assam	0	NA	NA	8	2	78817	119	43	1105684	6	1	1671000	2	2	65000	NP	NP	NP	NP	NP	NP	19	12	2320170
Y	5	Bihar	2	1	22000	3	3	5590142	597	NP	NP	4	4	NP	1	1	972730	NP	NP	NP	NP	NP	NP	15	15	397180
Y	6	Chandigarh	1	NS	NA	2	2	574 Pcs	31	31	101085 Pcs	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	8	8	228 Pcs
Y	7	Chhattisgarh	2	NS	NA	3	3	425 Pcs	NP	NP	NP	6	NP	NP	25	25	358648.27	NP	NP	NP	Nil	NA	NA	83	27	19066.563
Y	8	Dadra & Nagar Haveli	1	NS	NA	Nil	NA	NA	Nil	NA	0	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	Nil	NA	NA	2	2	490
Y	9	Daman & Diu	1	1	0	Nil	NA	NA	Nil	NA	0	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	Nil	NA	NA	Nil	NA	NA
Y	10	Delhi	138	54	148718522	Nil	NA	NA	NP	NP	0	Nil	NA	NA	31	31	5982820	NP	NP	NP	NP	NP	NP	65	65	50348500
Y	11	Goa	0	NA	NA	1	1	Nil	47	47	42746	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	2	2	NP	37	37	1045
Y	12	Gujarat	45	15	334952	32	9	1058183 Pcs	46	NP	NP	33	27	182871 Pcs	18	17	27380 Pcs	NP	NP	NP	1	NP	NP	99	77	13697
Y	13	Haryana	43	21	26803439	5	5	1191400	NP	NP	NP	43	27	25958939	Nil	NA	NA	NP	NP	NP	16	NP	NP	27	20	26545.49
Y	14	Himachal Pradesh	6	2	296296	14	14	318911148	84	NP	0	14	14	11027432	2	2	15780	NP	NP	-	5	5	57329812	42	42	336328
Y	15	J&K	0	NA	NA																					
N	16	Jharkhand	1	NS	NA	Not Submitted																				
Y	17	Karnataka	78	69	1813985	26	26	10913	NP	NP	NP	27	0	35149233	8	6	1288.5	NP	NP	NP	4	1	692	433	344	NP
Y	18	Kerala	19	9	118933	17	12	2878700	452	163	NP	2	2	23650	1	1	384000	NP	NP	NP	4	3	13186	38	35	1206166.8
N	19	Lakshadweep	0	NA	NA	Not Submitted																				

2019-20	S. No.	Name of State PCB/PCC	Importer *			Manufacturer			Dealer			Recycler			Auctioneer			Re-conditioner			Assembler			Bulk-consumer		
			No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Wt./No. of used Batter	No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Sold Weight (Kg)	No of	Return Submit	Sold Weight (Kg)
Y	20	Madhya Pradesh	14	5	18430	8	8	5466902	NP	NP	NP	56	56	188829.519	7	7	24808	NP	NP	NP	3	3	16163	84	84	3106526
Y	21	Maharashtra	117	68	4624502310	18	9	51437466	1835	NP	NP	87	55	53755000	85	85	1644069	NP	NP	NP	10	3	417108	372	372	9206629
N	22	Manipur	0	NA	NA	Not Submitted																				
Y	23	Meghalaya	0	NA	NA	Nil	NA	NA	45	NP	NP	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	1	NP	NP	9	7	NP
Y	24	Mizoram	0	NA	NA	Nil	NA	NA	8	8	2864246	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA
Y	25	Nagaland	0	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA
Y	26	Odisha	1	NS	NA	19	1	3513	Nil	NA	NA	Nil	NA	NA	158	1	11718	NP	NP	NP	Nil	NA	NA	158	158	1839320
Y	27	Pondicherry	4	NS	NA	1	1	240000	4	4	177000	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	Nil	NA	NA	9	9	3738988
Y	28	Punjab	4	2	2641	17	6	2816606	NP	NP	NP	54	14	5693762.9	12	0	Nil	NP	NP	NP	11	11	1823666	159	10	1029710
Y	29	Rajasthan	7	4	156030	3	3	4503245	NP	NP	NP	139	1	14568194	11	11	269312	NP	NP	NP	11	9	NP	50	41	1579158
Y	30	Sikkim	Nil	NA	NA	Nil	NA	NA	3	3	NP	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	Nil	NA	NA	2	2	4010
Y	31	Tamil Nadu	64	32	22259025	23	23	27112690	NP	NP	NP	26	16	89463973	4	4	1158000	NP	NP	NP	7	4	529132.675	33	32	2001249
Y	32	Telangana	8	4	37426	5	5	7440354.2	Nil	NA	NA	20	20	5178291.9	7	7	1718880	NP	NP	NP	Nil	NA	NA	242	242	1061293.95
Y	33	Tripura	0	NA	NA	1	1	488000	NP	NP	NP	Nil	NA	NA	Nil	NA	NA	NP	NP	NP	5	5	875 Pcs	6	6	2 Pcs
Y	34	Uttar Pradesh	15	5	88510	5	2	2120350	213	NP	122940	79	79	20585937	Nil	NA	NA	Nil	NA	NA	20	NP	121500	171	72	21470
Y	35	Uttarakhand	1	1	115000	6	4	22936180	NP	NP	NP	4	3	11627520	Nil	NA	NP	NP	NP	NP	1	1	37930	33	9	9508543
Y	36	West Bengal	69	31	163886264	10	10	1149864	565	Nil	NA	43	16	23996775	30	30	2196708	NP	NP	NP	NP	NP	NP	94	94	3330256.5
31			663	332	5000653321	248	164	472240177.8	4174	390	8782851.7	682	371	460384952.3	403	231	14803762	0	0	0	110	56	60412175.68	2314	1846	91138840

Note: All values are in Kilogram per Annum (Kg/A), otherwise as mentioned.

NP: Data Not Provided

NA: Not Applicable

* As per CPCB record

State wise status of Importer Registration Granted, Cancelled/Suspension/In-active

S. NO.	Name of State PCB/PCC	HSMD & CPCB				
		Application Received	In -progress	Registration Processed	Cancelled/Suspended/In-active/Reject	Active
1	Andaman and Nicobar	0	0	0	0	0
2	Andhra Pradesh	110	7	103	81	22
3	Arunachal Pradesh	0	0	0	0	0
4	Assam	0	0	0	0	0
5	Bihar	6	1	5	3	2
6	Chandigarh	10	0	10	9	1
7	Chhattisgarh	10	0	10	8	2
8	Dadra & Nagar Haveli	3	0	3	2	1
9	Daman & Diu	1	0	1	0	1
10	Delhi	632	22	610	472	138
11	Goa	2	0	2	2	0
12	Gujarat	127	6	121	76	45
13	Haryana	135	2	133	90	43
14	Himachal Pradesh	19	1	18	12	6
15	Jammu & Kashmir	4	1	3	3	0
16	Jharkhand	4	0	4	3	1
17	Karnataka	291	24	267	189	78
18	Kerala	40	2	38	19	19
19	Lakshadweep	0	0	0	0	0
20	Madhya Pradesh	44	1	43	29	14
21	Maharashtra	532	33	499	382	117
22	Manipur	0	0	0	0	0
23	Meghalaya	0	0	0	0	0
24	Mizoram	0	0	0	0	0
25	Nagaland	0	0	0	0	0
26	Orissa	3	0	3	2	1
27	Pondicherry	13	1	12	8	4
28	Punjab	34	2	32	28	4
29	Rajasthan	39	1	38	31	7
30	Sikkim	1	0	1	1	0
31	Tamil Nadu	358	10	348	284	64
32	Telangana	17	7	10	2	8
33	Tripura	0	0	0	0	0
34	Uttar Pradesh	87	2	85	70	15
35	Uttarakhand	11	0	11	10	1
36	West Bengal	137	9	128	59	69
	Total	2670	132	2538	1875	663

Status of Registered Importers of New Lead Acid Batteries as on till March, 2020

Status of NLAB Registration	by MoEF prior to May, 2010	by CPCB till March 2020	Total
Registrations granted	1073	1465	2538
Registrations cancelled	993	882	1875
Effective registered importers	80	583	663

List of Authorised/Registered Recyclers of lead bearing waste

S. No	States	No. of Units	Authorized Capacity (MTA)
1	Andhra Pradesh	17	251728
2	A & N	0	0
3	Arunachal Pradesh	0	0
4	Assam	6	26100
5	Bihar	4	6870
6	Chandigarh	0	0
7	Chhattisgarh	5	3308
8	Dadra & Nagar Haveli	0	0
9	Daman & Diu	0	0
10	Delhi	0	0
11	Goa	0	0
12	Gujarat	41	381210
13	Haryana	58	274864
14	Himachal Pradesh	13	82335
15	Jammu & Kashmir	7	72660
16	Jharkhand	2	3730
17	Karnataka	32	419056
18	Kerala	4	6875
19	Lakshadweep	0	0
20	Madhya Pradesh	56	126921
21	Maharashtra	94	350871
22	Manipur	0	0
23	Meghalaya	0	0
24	Mizoram	0	0
25	Nagaland	0	0
26	Orissa	0	0
27	Pondicherry	0	0
28	Punjab	55	79446
29	Rajasthan	121	440,722
30	Sikkim	0	0
31	Tamil Nadu	27	452023
32	Telangana	32	314000
33	Tripura	0	0
34	Uttar Pradesh	34	68309
35	Uttrakhand	3	34200
36	West Bengal	61	135612
	Total	672	3530842