

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

**2017-18**



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

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

### **1.0 Implementation of Batteries (Management & Handling) Rules:**

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.

Responsibilities have been fixed on stakeholders namely manufacturers, importers, re-conditioners and assemblers to ensure that used batteries are collected back and sent to registered recyclers. Responsibilities were also fixed on other stake holders such as dealers, recyclers, bulk-consumers and auctioneers to maintain records and file annual returns. The regulatory authorities involved are State pollution Control Boards, Customs authorities, Central Pollution Control Board and Ministry of Environment, Forest and Climate Change.

### **2.0 Annual Compliance Status Report (ACSR):**

As per provision 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 30<sup>th</sup> April every year. However, despite several reminders from CPCB, most of the SPCBs/PCCs have failed to ensure compliance and timely submission of Annual Compliance Status Reports.

In order to ensure effective implementation of Batteries Rules, 2001, directions were issued under section 5 of E(P) Act, 1986 to all SPCBs vide letter dated 13/04/2017 to ensure following action points;

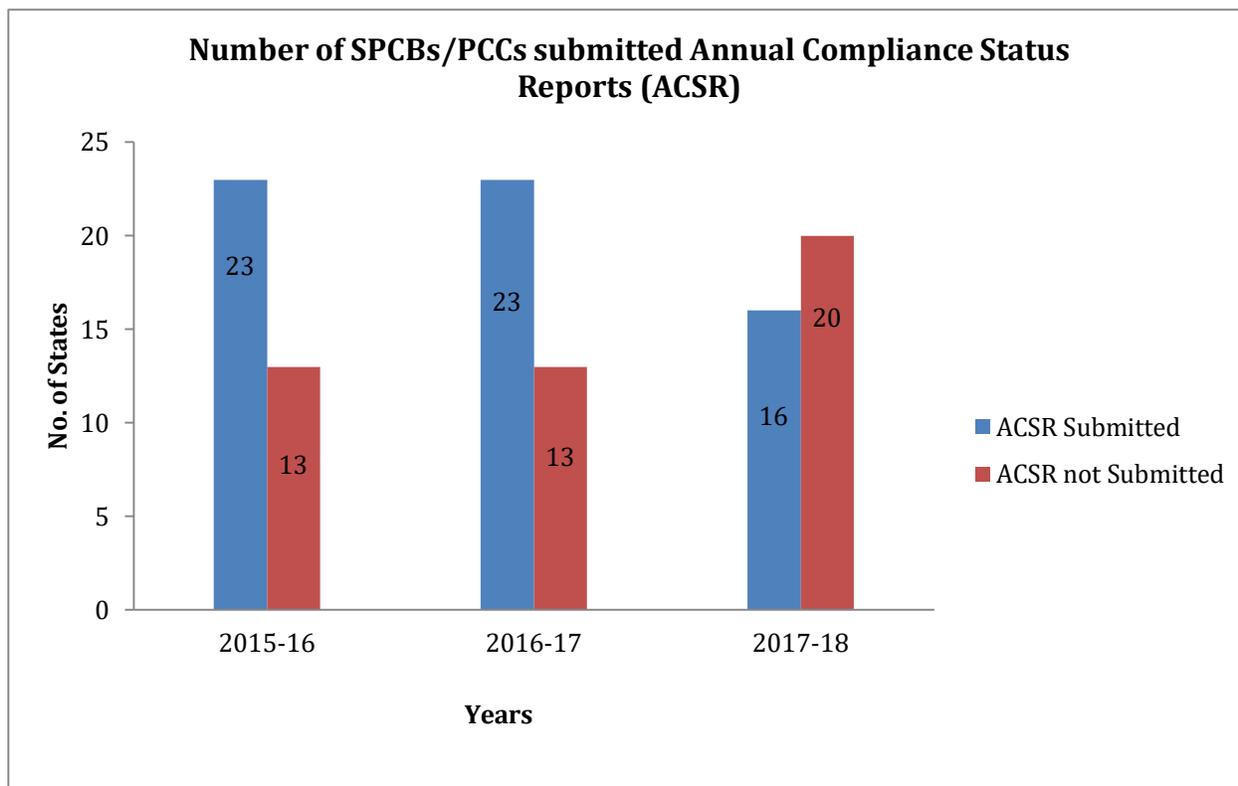
- (i) Timely and regular submission of annual compliance status report on implementation of Batteries Rules to CPCB;
- (ii) To prepare an inventory of all the stakeholders namely manufacturers, importers, dealers, bulk-consumers, auctioneers, assemblers, re-conditioners and registered recyclers.
- (iii) Ensure registration of all the dealers in the State selling lead acid batteries.
- (iv) Initiate action against the stakeholders who are failing to comply with the Batteries Rules, 2001; and
- (v) Initiate action taken report against illegal or informal backyard recyclers of lead acid batteries operating in the State, and;

The number of SPCBs/PCCs who filed annual reports over the past 3 years is given at Table-1 below.

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**Table-1: Number of SPCBs/PCCs Submitted Annual Compliance Status Reports (ACSR)**

Number of SPCBs/PCCs submitted ACSR	2015-16	2016-17	2017-18
		23	23



CPCB has received annual compliance status reports only 16 SPCBs /PCCS during the year 2017-2018. The annual compliance status for the year 2017-2018 is given in Table-2 below.

**Table-2: Number of Lead Acid batteries Sold and collection of used batteries for recycling (2017-2018)**

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S. No	Name of State PCB/PCC	Manufacturer's Weight (Kg)	Importers Weight (Kg)	Assemblers Weight (Kg)	Re-conditioners Weight (Kg)	Wt/No. of used Batter sent to Registered Recyclers
1	A & N Islands	Not Submitted				
2	Andhra Pradesh	Not Submitted				
3	Arunachal Pradesh	Not Submitted				
4	Assam	NP	NP	NP	NP	3197425
5	Bihar	Not Submitted				
6	Chandigarh	NP	NP	NP	NP	67976 No's
7	Chhattisgarh	Not Submitted				
8	Dadra & Nagar Haveli	Nil	Nil	Nil	Nil	Nil
9	Daman & Diu	Nil	Nil	Nil	Nil	Nil
10	Delhi	49933	41109.85	NP	NP	22967
11	Goa	Not Submitted				
12	Gujarat	481836 No's	2287 No's	NP	NP	2480182 No's
13	Haryana	466718	15600	NP	NP	7827905.6 (kg) 277542 No's
14	Himachal Pradesh	Not Submitted				
15	J&K	Not Submitted				
16	Jharkhand	Not Submitted				
17	Karnataka	Not Submitted				
18	Kerala	433604	NP	939920	NP	591765.1
19	Lakshadweep	Not Submitted				
20	Madhya Pradesh	155392	1000	24643	NP	1339573.21
21	Maharashtra	Not Submitted				
22	Manipur	Not Submitted				
23	Meghalaya	Not Submitted				
24	Mizoram	Not Submitted				
25	Nagaland	Nil	Nil	Nil	Nil	Nil
26	Orissa	Not Submitted				
27	Pondicherry	NP	108394	NP	NP	92160
28	Punjab	1523083	NP	1188608	NP	8211225
29	Rajasthan	Not Submitted				
30	Sikkim	Not Submitted				
31	Tamil Nadu	31198384	65598662	458072	NP	90669170
32	Telangana	120374655	170010.1	NP	NP	78158815
33	Tripura	Nil	Nil	Nil	Nil	Nil
34	Uttar Pradesh	Not Submitted				

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35	Uttarakhand	Not Submitted				
36	West Bengal	97620	309405(kg) 2966(No.)	NP	NP	68637051

**NP** : Data Not Provided

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

20 SPCBs/PCCs have Not Submitted Annual Compliance Status Report (ACSR)

As per the available information received from SPCBs/PCCs, the inventory of stakeholders involved in management of Batteries are compiled and given in Table 3 below.

**Table-3: Inventory of stakeholders involved in Management of used lead acid batteries (2017-2018)**

Name of State PCB/PCC	Manufacturer	Dealers	Recyclers	Auctioneer	Re-Conditioner	Assembler	Bulk-consumer	Importer*
A&N Islands	Not Submitted							Nil
Andhra Pradesh	Not Submitted							4
Arunachal Pradesh	Not Submitted							Nil
Assam	07	50	06	16	NP	NP	NP	Nil
Bihar	Not Submitted							Nil
Chandigarh	03	53	NP	NP	NP	NP	04	Nil
Chhattisgarh	Not Submitted							1
Dadra & Nagar Haveli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Daman & Diu	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Delhi	21	NP	NP	20	NP	NP	51	47
Goa	Not Submitted							Nil
Gujarat	21	21	25	11	NP	01	88	9
Haryana	5	44	39	Nil	NP	16	18	9
Himachal Pradesh	Not Submitted							1
J&K	Not Submitted							Nil
Jharkhand	Not Submitted							Nil
Karnataka	Not Submitted							11
Kerala	17	12	4	Nil	NP	4	40	1
Lakshadweep	Not Submitted							Nil
Madhya Pradesh	09	12	47	5	Nil	09	63	4
Maharashtra	Not Submitted							32
Manipur	Not Submitted							Nil
Meghalaya	Not Submitted							Nil
Mizoram	Not Submitted							Nil
Nagaland	Nil	04	Nil	Nil	Nil	Nil	Nil	Nil
Orissa	Not Submitted							Nil
Pondicherry	Nil	Nil	Nil	Nil	Nil	Nil	7	Nil
Punjab	17	NP	49	13	NP	14	51	3
Rajasthan	Not Submitted							4

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<b>Sikkim</b>	Not Submitted							Nil
<b>Tamil Nadu</b>	23	167	22	4	NP	7	29	14
<b>Telangana</b>	7	20	32	5	NP	NP	67	6
<b>Tripura</b>	Nil	Nil	Nil	Nil	Nil	04	Nil	Nil
<b>Uttar Pradesh</b>	Not Submitted							5
<b>Uttarakhand</b>	Not Submitted							Nil
<b>West Bengal</b>	7	61	40	102	NP	NP	NP	9

*NP: Data Not Provided*

*\* As per CPCB record*

The number of stakeholders submitted half yearly returns to SPCBs/CPCB are compiled for the year 2017-2018 and given in Table -4 below;

**Table-4: Status of filing of returns by stakeholders to SPCBs/PCCs and CPCB (2017- 18)**

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Name of State PCB/PCC	Manufacturers	Dealers	Batteries recycler	Auctioneer	Re-conditioner	Assembler	Bulk-consumer	Importers*
A&N Islands	Not Submitted							NA
Andhra Pradesh	Not Submitted							17
Arunachal Pradesh	Not Submitted							NA
Assam	0	0	0	13	NP	NP	NP	NA
Bihar	Not Submitted							0
Chandigarh	03	53	NP	NP	NP	NP	04	0
Chhattisgarh	Not Submitted							1
Dadra & Nagar Haveli	NA	NA	NA	NA	NA	NA	NA	NA
Daman & Diu	NA	NA	NA	NA	NA	NA	NA	NA
Delhi	21	NP	NP	20	NP	NP	51	94
Goa	Not Submitted							0
Gujarat	0	NP	18	5	NP	0	53	16
Haryana	5	NP	35	Nil	NP	16	11	21
Himachal Pradesh	Not Submitted							4
J&K	Not Submitted							NA
Jharkhand	Not Submitted							1
Karnataka	Not Submitted							50
Kerala	14	3	3	Nil	NP	4	23	7
Lakshadweep	Not Submitted							0
Madhya Pradesh	0	0	0	0	0	0	0	7
Maharashtra	Not Submitted							61
Manipur	Not Submitted							NA
Meghalaya	Not Submitted							NA
Mizoram	Not Submitted							NA
Nagaland	Nil	04	Nil	Nil	Nil	Nil	Nil	NA
Orissa	Not Submitted							0
Pondicherry	Nil	Nil	Nil	Nil	Nil	Nil	7	3
Punjab	6	NP	12	0	NP	6	5	6
Rajasthan	Not Submitted							8
Sikkim	Not Submitted							NA
Tamil Nadu	23	NP	16	4	NP	5	27	22
Telangana	7	NP	32	5	NP	NP	67	1
Tripura	Nil	Nil	Nil	Nil	Nil	04	Nil	NA
Uttar Pradesh	Not Submitted							5
Uttarakhand	Not Submitted							3
West Bengal	7	0	16	87	NP	NP	NP	9

*NP: Data Not Provided*

*NA: Not Applicable*

*\* Numbers in parenthesis indicates returns filed to CPCB*

The data indicates that the information provided by SPCBs is grossly inadequate with respect to inventory of dealers, manufacturers, assemblers and re-conditioners. This indicates that SPCBs/PCCs did not complete inventory of stakeholders involved in implementation of Batteries Rules, 2001, which reflects poor status of implementation of Batteries Rules in almost all the States/UTs.

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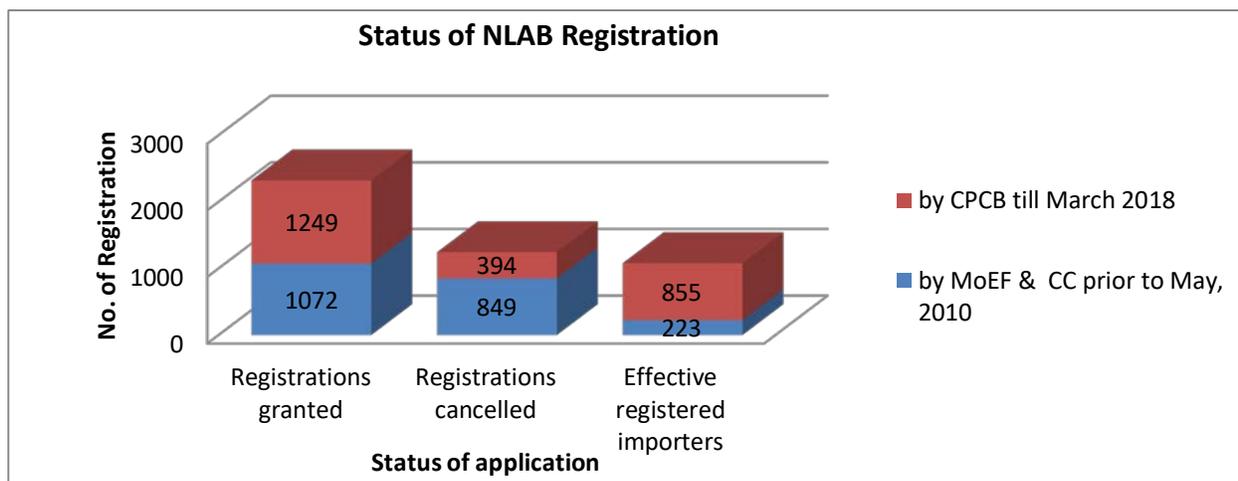
Complied annual information for the year 2017-2018 indicates that in 16 States as given in Table 4 indicates that all stakeholders (manufacturers, importers, re-conditioners, assemblers, bulk-consumers and auctioneers) have submitted returns. The data given in Table 2 however, does not reflect the correct picture even in those 16 States, since inventory in those State is not complete and all stakeholders have not submitted annual reports.

### 3.0 Status of Registered Importers of New Lead Acid Batteries in the Country:

About 2321 importers have been granted registration by MoEF&CC and CPCB till March, 2018 for import of new lead acid batteries, however only 1078 importers have valid registration. CPCB has cancelled registrations of about 1243 importers for failing to comply with conditions of registration. The status of importers of new lead acid batteries and registration granted to importers is available real-time on BRMS portal, which makes only 1078 authorized of importers till March, 2018.

**Table-5: Status of Registered Importers of New Lead Acid Batteries as on March, 2018**

Status of NLAB Registration	by MoEF prior to May, 2010	by CPCB till March 2018	Total
Registrations granted	1072	1249	<b>2321</b>
Registrations cancelled	849	394	<b>1243</b>
Effective registered importers	223	855	<b>1078</b>



### 4.0 Authorised/Registered Batteries Recyclers

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

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management rules notified under E(P) Act, 1986. The said recyclers also come under the preview of channelisation of used lead batteries under the provision of batteries rules 2001.

These recyclers are granted authorisation 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 authorisation to these lead acid battery recyclers.

As per information received from SPCBs, 541 used lead acid battery recycling units having environmentally sound recycling facilities have been granted registration in the country and total established recycling capacity is 2,673,876 MTA. State-wise availability of recyclers and their installed recycling capacities are given in Table-6

**Table-6: Status of authorised/registered recyclers of lead bearing waste**

State	Units	Capacity in MTA
Andhra Pradesh	13	8,360
Arunachal Pradesh	Nil	Nil
Assam	8	32,130
Bihar	4	6,870
Chhattisgarh	5	3,308
Goa	Nil	Nil
Gujarat	41	381,210
Haryana	41	195,564
Himachal Pradesh	8	41,650
Jammu & Kashmir	9	74,960
Jharkhand	2	3,730
Karnataka	25	276,341
Kerala	3	3,700
Madhya Pradesh	53	121,130
Maharashtra	81	328,932
Manipur	Nil	Nil
Meghalaya	Nil	Nil
Mizoram	Nil	Nil
Nagaland	Nil	Nil
Orissa	Nil	Nil
Punjab	55	79,446
Rajasthan	75	317,341
Sikkim	Nil	Nil
Tamil Nadu	14	77,620
Telangana	11	74,042

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State	Units	Capacity in MTA
Tripura	Nil	Nil
Uttar Pradesh	33	154827
Uttarakhand	Nil	Nil
West Bengal	60	126,167
Chandigarh	Nil	Nil
Delhi	Nil	Nil
Dadra & Nagar Haveli	Nil	Nil
Daman & Diu	Nil	Nil
Lakshadweep	Nil	Nil
A & N	Nil	Nil
Pondicherry	Nil	Nil
<b>Total</b>	<b>541</b>	<b>2,673,876</b>

**5.0 Implementation issues:**

Effective implementation of Batteries Rules, 2001 is possible when the following identified issues are addressed;

- (i) Inventory of stakeholders by SPCBs
- (ii) Ensure compliance of stakeholders, namely manufacturers/importers/ re-conditioner/ assemblers in submitting proper annual reports;
- (iii) Prioritisation on implementation of Batteries Rules, 2001 by SPCBs/PCCs.
- (iv) Manufacturers being important stakeholders needs to be regulated by SPCBs.
- (v) 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.
- (vi) Lack of action against illegal or informal backyard recyclers of lead acid batteries operating in the State

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