

# About Us

## SRADHA

Empowering Sustainability: A Journey towards a Circular Economy for LIB Batteries in India



## Introduction:

In the pursuit of a sustainable future, SRADHA is at the forefront, working tirelessly to establish a circular economy for Lithium-Ion Batteries (LIBs) in India. As we embark on this transformative journey, we recognize the critical need for an enabling policy, a robust regulatory framework, and collaborative efforts among stakeholders to usher in a new era of responsible battery management.

## The Challenge:

India's rapid technological advancements have led to a surge in the use of LIBs, creating a pressing challenge of managing the end-of-life phase of these batteries. Currently, the lack of stringent LIB-specific policies, standards, and regulations impedes the establishment of a comprehensive reuse and recycling ecosystem.

## Our Vision:

At SRADHA, we envision a future where LIBs contribute to a circular economy, minimizing environmental impact, conserving resources, and fostering sustainable practices throughout the battery lifecycle.

## Our Mission:

Advocacy for LIB-Specific Policies:

- We are committed to collaborating with policymakers to advocate for dedicated LIB-specific policies that address manufacturing, usage, and end-of-life management.

Regulatory Framework Development:

- SRADHA is actively engaged in the development of a robust regulatory framework, ensuring extended producer responsibility (EPR), recycling standards, and environmental compliance.

Stakeholder Collaboration:

- We believe in the power of collaboration. SRADHA is fostering partnerships among government bodies, industry players, research institutions, and environmental organizations to create a cohesive ecosystem.

Consumer Awareness Initiatives:

- Educating consumers is key to building a sustainable future. SRADHA is initiating awareness campaigns to educate individuals about responsible battery use, disposal, and recycling.

Innovation and Research Support:

- SRADHA is dedicated to supporting research and innovation in LIB recycling technologies, sustainable battery designs, and alternative materials, driving the industry towards greener solutions.





## How You Can Contribute:

- **Join SRADHA's Advocacy Network:** Be a part of our network advocating for LIB-specific policies and regulations.
- **Participate in Stakeholder Forums:** Engage in discussions and collaborations to shape the future of LIB recycling in India.
- **Spread the Message:** Help raise awareness by sharing SRADHA's initiatives through your network and social media platforms.
- **Assignments undertaken by SRADHA in India:**

## Policy Advocacy and Development:

- **Objective:** Advocate for and actively contribute to the development of comprehensive national policies specifically addressing lithium-ion batteries (LIBs), encompassing manufacturing standards, usage guidelines, and end-of-life management.
- **Actions:**
- Collaborate with government bodies to provide insights and recommendations for LIB-specific policies.
- Engage in policy dialogue forums to contribute to the shaping of national regulatory frameworks.

### REGULATORY FRAMEWORK STRENGTHENING:

- **Objective:** Strengthen and implement stringent regulatory frameworks to ensure extended producer responsibility (EPR), recycling standards, and environmental compliance for LIBs.
- **Actions:**
- Work closely with regulatory authorities to enhance existing regulations related to LIBs.
- Propose and advocate for the inclusion of EPR principles in national waste management policies.

## Stakeholder Collaboration Platforms:

- **Objective:** Establish and foster collaborative platforms at the national level to encourage meaningful partnerships among government bodies, industry stakeholders, research institutions, and environmental organizations.
- **Actions:**
- Organize national-level stakeholder forums and conferences.
- Facilitate working groups to address specific challenges within the LIB ecosystem.

### Consumer Awareness Campaigns:

- **Objective:** Raise awareness among consumers about responsible LIB use, disposal, and recycling practices at a national scale.
- **Actions:**
- Develop and implement nationwide awareness campaigns through various media channels.
- Collaborate with educational institutions for outreach programs on responsible battery usage.

### Innovation and Research Initiatives:

- **Objective:** Support and drive innovation in LIB recycling technologies, sustainable battery designs, and alternative materials through national research initiatives.
- **Actions:**
- Fund and collaborate with research institutions for projects focusing on sustainable battery technologies.
- Organize national-level innovation challenges to encourage new ideas and solutions.

#### **National Waste Collection Networks:**

- **Objective:** Establish and streamline a nationwide network for the collection of used LIBs from various sources, including households, industries, and electronic waste collection centers.
- **Actions:**
- Collaborate with waste management agencies to integrate LIB collection into existing systems.
- Implement door-to-door collection programs in major cities and urban centers.

#### **Recycling Facility Expansion:**

- **Objective:** Expand and enhance recycling facilities across the country to ensure the safe and efficient processing of LIBs.
- **Actions:**
- Work with industry partners to invest in and establish state-of-the-art recycling facilities in key regions.
- Advocate for financial incentives to promote the growth of recycling infrastructure.

#### **CAPACITY BUILDING PROGRAMS:**

- **OBJECTIVE:** DEVELOP AND IMPLEMENT TRAINING PROGRAMS AT THE NATIONAL LEVEL TO ENHANCE THE SKILLS AND KNOWLEDGE OF WORKERS INVOLVED IN LIB RECYCLING.
- **ACTIONS:**
- COLLABORATE WITH VOCATIONAL TRAINING INSTITUTIONS TO DESIGN SPECIALIZED COURSES.
- CONDUCT NATIONWIDE WORKSHOPS FOR WORKERS AND TECHNICIANS INVOLVED IN THE LIB ECOSYSTEM.

#### **INTERNATIONAL COLLABORATION AND BEST PRACTICE ADOPTION:**

- **OBJECTIVE:** COLLABORATE WITH INTERNATIONAL ORGANIZATIONS AND ADOPT BEST PRACTICES FROM SUCCESSFUL LIB RECYCLING PROGRAMS GLOBALLY.
- **ACTIONS:**
- PARTICIPATE IN INTERNATIONAL CONFERENCES AND WORKSHOPS TO SHARE INSIGHTS AND LEARNINGS.
- COLLABORATE WITH FOREIGN AGENCIES FOR KNOWLEDGE EXCHANGE AND TECHNOLOGY TRANSFER.

#### **CONTINUOUS MONITORING AND EVALUATION:**

- **OBJECTIVE:** IMPLEMENT A ROBUST MONITORING AND EVALUATION SYSTEM AT THE NATIONAL LEVEL TO TRACK THE PROGRESS AND IMPACT OF LIB RECYCLING INITIATIVES.
- **ACTIONS:**
- ESTABLISH KEY PERFORMANCE INDICATORS (KPIs) FOR NATIONAL LIB RECYCLING GOALS.
- CONDUCT PERIODIC AUDITS AND ASSESSMENTS TO EVALUATE THE EFFECTIVENESS OF POLICIES AND PROGRAMS.

## **TOGETHER TOWARDS A SUSTAINABLE TOMORROW!**

***By joining hands with SRADHA, you contribute to building a sustainable future, where LIBs play a pivotal role in a circular economy, promoting resource conservation, and reducing environmental impact.***

#### **Contact SRADHA:**

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