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Uniting Small Scale Battery Industry on Firm Footing since 1985

BATTERY DIRECTORY & YEAR BOOK

Uniting Small Scale Battery Industry
41 years of Publication
1985 - 2026

FORTNIGHTLY ISSUE
16-28 February 2026
(Vol.41, No.4 Published on 23.02.2026)

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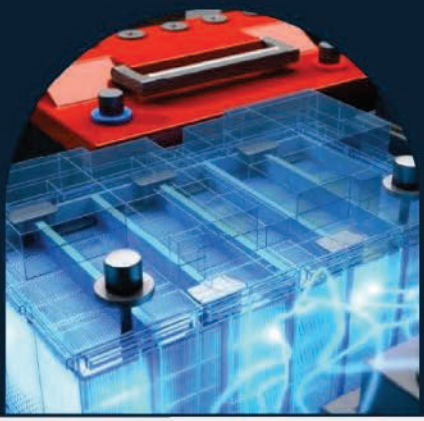

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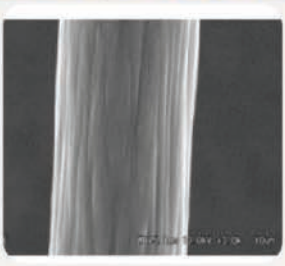

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Knowledge without devotion to God produces hatred.
—Bhagwan Sh. Sathya Sai Baba

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Address by Federation President Shri Harashpal Singh Sawhney at the 20th Power On Battery Fair and Technical Conference held in Ahmedabad on January 22, 23, 24 and 25.

Lead Battery Entrepreneurs Should Not Fear Being left Behind

It is my pleasure to inaugurate the **Technical Conference of the 20th Power On Exhibition and Conference** at the Gujarat University Convention Center. For two decades, Power On has been more than just an exhibition, but a powerful platform for India's battery and energy storage industry—a place where ideas, technology, and leadership come together.

Today we stand at a crucial juncture

The Indian battery industry stands at a crucial juncture. On one hand, there is the reliable lead-acid technology that has been the foundation of India's energy security for decades, and on the other, there is the growing power of lithium and other emerging chemistries that bring higher energy density, faster performance, and new opportunities.

Many call it a broken market. I consider it a defining market. This year's theme—"Future-Ready Energy: Balancing Tradition with Innovation"—is timely.

While our roots are deep in lead-acid—a technology that remains robust and resilient today—our future is rapidly moving towards lithium-ion advancements, sodium-ion research, battery recycling, and the circular economy.

I want to make one clear statement to the lead-acid community: don't be afraid of being left behind. You have the world's most recycled product and a strong Make in India value chain.

We have the world's most recycled product, Lead, and a strong Make in India value chain

To the lithium pioneers—you are shaping the future, but affordability, safety, and scalability are the real keys to success in the Indian market.

Today, the battery industry is not dependent on any one chemistry. It is strengthened when we all work together to address India's energy needs—whether it's EV infrastructure, grid-scale storage, or sustainable manufacturing.

Our objective over the next three days is clear—technical exchange. This conference is a powerful platform to bridge the gap between R&D and mass manufacturing.

I sincerely thank our technical committee, sponsors, and all the speakers who traveled from far and wide to share their knowledge and experience.

I urge every delegate—don't just be a listener, be a collaborator. Ask tough questions, network during breaks, and together find solutions to today's energy challenges.

Let's make this 20th Power On a memorable turning point—where we move beyond labels like lead or lithium and establish ourselves as true energy storage solutions providers. ❑

When we "skill" our knowledge, life is well-balanced.
When we "kill" our knowledge, the balance is upset.

Power-On 2026 Ahmedabad –

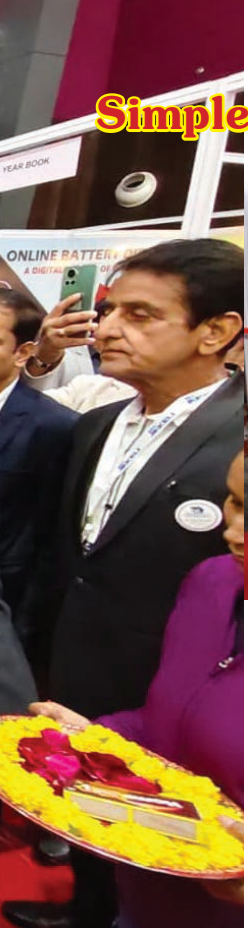
Chief Guest and office bearers of the Federation and Association Lighting the Lamp

This year, 155 companies showcased their Products and Services at the Battery Fair. Sixteen companies from countries like the United States, China etc. participated in the exhibition.

This year's Power-On was more significant because there was a grave, unknown fear about the future of the battery business. There was a fear and suspicion that lithium would now destroy the lead battery business. This veil of fear and suspicion vanished with the launch of Power-On when thousands of battery enthusiasts from across the country gathered in Ahmedabad.

The 20th Power-On Battery Fair was held on 23, 24, 25 January 2026 at the Gujarat University Convention Centre, Ahmedabad. As always, this time too the fair was unique and full of immense possibilities. **The chief guest of the Battery Fair was Gujarat BJP President Shri Jagdish Bhai Vishwakarma**. Following a brief cultural program in the presence of Federation and Association officials,

Simple Solutions to Complex Problems



Chief Guest Cutting the Ribbon

the 20th Power-On Fair was inaugurated by the **Honorable Minister of Energy of the Gujarat Government, Shri Rishikesh Patel, Gujarat BJP President Shri Jagdish Bhai Vishwakarma, Ahmedabad BJP General Secretary Shri Paresh Lakhani, Federation President Shri Harashpal Singh Sawhney, Federation General Secretary and former Hapur BJP President Shri Naresh Tomar, Gujarat Battery Association President Shri Pradeep Suji, and the Federation's Regional Presidents.** Following this, all senior battery experts proceeded to the main exhibition hall, visited all the stalls, and met with their representatives.

Power-On has become a global platform for the Indian battery industry and trade. This year, 155 companies showcased their products and services at the Battery Fair. Sixteen companies from the US, China, and other countries also participated in the exhibition.

India is a major battery market and is poised to become a battery exporter. For battery entrepreneurs from India and abroad, it was a business paradise, and everyone received more business than expected.

Lifetime Achievement Award

At this grand event, Shri Mooljibhai Pansara was honored with the Lifetime Achievement Award from the Federation of Indian Small Scale Battery Associations for his services to the small scale battery industry in the country.

Power On Sponsors

The fair's **Gold-level sponsors were Hapa, Gujarat's renowned Goldstar Batteries, Parisa International Pvt. Ltd. from Surat, and Intex PE Separator from Kanpur. Silver-level sponsors were Harsha Industries from Delhi, Shakti Accumulators from Bangalore, and Hammond from the United States.** Other major sponsors included **Manish**

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Enterprises from Delhi, **Z Power Impex Pvt. Ltd.** from Zirakpur, **H&V Advanced Materials (India) Pvt. Ltd.** from Mysore, **Supertech** from Mitoda, **Creative Fiber Products Pvt. Ltd.** from Ahmedabad, **Manika Plastech Limited** from Mumbai, **HR Mould Industries** from Delhi, and **Popular (Auto Tech) Batteries Pvt. Ltd.** from Ahmedabad.

Increased Interest from Foreign Companies

The battery industry is no exception to the global interest in the Indian market. Evidence of this growing interest is the fact that major companies from the US, China, and other countries, such as **MAC Engineering & Equipment**, **Shandong Ruiyu Accumulator Co. Ltd.**, **Jiangsu Derongfu Rubber & Plastic Technology Co. Ltd.**, and **Sorfin Yoshimura**, have begun investing in India with Indian partners. In the coming days, many more foreign companies are expected to invest in the battery industry in India, either through Indian partnerships or through their own ownership.

Gujarat Battery Association's Unforgettable Contribution

The Gujarat Small Scale Battery Association's contribution to this event was highly commendable. Under the chairmanship of Association


HR Mould Udyog, Delhi

Kankariya Corporation, Pune


Parisa International Pvt. Ltd., Surat


Creative Fibre Products Pvt. Ltd., AHMEDABAD


Emark Global Limited, Mumbai

Gokul Auto Industries, Rajkot


Global Power Corporation, RAJKOT


H&V Advanced Materials (India) Pvt. Ltd., MYSURU


Hovert Machines & Furnaces Pvt. Ltd., KANPUR

President Shri Pradeep Suji, the members held frequent meetings, not only maintaining communication with battery manufacturers across the state, but also maintaining consistent and uninterrupted coordination with the government machinery, including officials from battery associations and federations across the country. They worked like a family and completed the tasks in a planned manner. The Gujarat Battery Association team is also grateful for demonstrating the strength of the association. Here it has become clear that if everyone works together with positive energy then how grand and impressive the results can be.

Special arrangements

In view of the expected large number of visitors, special arrangements were made for registration and the canteen. A separate area was provided for online registration, and additional stalls were set up for on-the-spot registration. The canteen was managed by expert caterers. **Solance Industries, Ahmedabad, received the Best Stall award this time.**

Evening Party

Ulka Battery Chemicals, Kolkata, and the **Gujarat Battery Association** hosted an evening party. In addition to Power-On exhibitors, special guests


Hygro Tech Engineers, BENGALURU


Manika Plastech Limited, MUMBAI


JVR Techno Plast Pvt. Ltd., TARAGHADI


Sethi Arts ®, HYDERABAD


SMJ Venture Private Limited, KOLKATA

Wirtz Manufacturing India Pvt. Ltd., BENGALURU


Prime Industries, AHMEDABAD


Sakthi Accumulators Pvt. Ltd., BENGALURU

Redon Lithium Industries LLP, BENGALURU

were also invited. It would be no exaggeration to call the event a grand affair.

Technical Seminar

The technical conference held on January 22, 2026, served as a platform for discussions on current and future concerns. The technical sessions were attended by over 200 battery entrepreneurs, both national and international. Technical scholars from India and abroad presented research papers and ideas on newly developed technologies and products. The Power-On Seminar and Fair has emerged as a significant platform for learning and collaboration in the Indian battery ecosystem. This year, the theme of the technical seminar was "Resilience and Reinvention: The Future of Lead-Acid in a Changing Energy Landscape."

Lectures by several renowned technical speakers on battery quality and environmental control outlined a roadmap for the future. Two panel discussions on technology and business aspects provided a reality check and a roadmap for lead-acid batteries. **Dr. John Miller from the US**, **Shri Amlan Das from Luminous**, **International Battery Consultant Dr. Nanjan Sugumaran**, and **Battery Technology Expert Shri S. Jayakumar**, among

Prashant Industries, AHMEDABAD

Popular (Auto Tech) Batteries Pvt. Ltd., AHMEDABAD

Patel Die-Make Engineering Works, AHMEDABAD

Suyog Engineers, PUNE

Z-Power Impex Private Limited, ZIRAKPUR

Super Tech, METODA

Voltbull Energy Pvt. Ltd., AHMEDABAD

Unik Techno Systems Pvt. Ltd., PUNE

Umiya Batteries Pvt. Ltd., GANDHINAGAR

others, showcased future paths for the battery industry. This provided a deep understanding of the knowledge and insights needed to manufacture high-quality batteries and protect our environment.

The seminar was conducted by renowned battery entrepreneur and battery consultant Shri Ramesh Natarajan and Federation General Secretary Shri Naresh Tomar. Shri Natarajan is highly respected in the battery industry for providing free technical support and as the author of several bestselling books on battery technology and troubleshooting. **Shri Ramesh Natarajan also released his fifth book, "Audio to Ampere," at the fair.**

Support from the Ministry of MSME

To support and financially assist micro and small entrepreneurs, the event was supported by the Ministry of MSME under the Procurement and Marketing Support (PMS 5.1.A) scheme. Of the 94 MSME units, 54 received support from the Ministry. Over 7,200 business visitors attended the show over three days.

– Arvind Mohan

Panel Discussion by Shri Ramesh Natarajan, Shri Amalan Kanti Das, Dr. Jayakumar, Dr. N. Sugumaran and Dr. Sundar Mayavan

Power On SME Battery Technical Summit Concludes

The Power-On SME Battery Technical Summit was successfully held on January 22, 2026, at the Gujarat University Convention and Exhibition Center, Ahmedabad, thanks to the active participation and tireless efforts of the Federation of Indian Small Scale Battery Associations and the Gujarat Small Scale Battery Association.

This milestone summit was enthusiastically attended by stakeholders from the battery industry across the country. The Power-On Seminar and Fair has emerged as a key platform for learning and collaboration within the Indian battery ecosystem.

This year's conference theme was "Resilience and Reinvention: The Future of Lead-Acid in a Changing Energy Landscape."

The conference began with an address by Shri Harashpal Singh Sawhney, President of the Federation of Indian Small Scale Battery Associations, who emphasized the need for collaboration within the industry. He apprised the entrepreneurs present about the important role the Federation and its members play in contributing to the country's economy and strengthening the SME battery sector. During his address, Shri


Shri Harashpal Singh Sawhney


Shri Naresh Tomar


Shri Ramesh Bhai Sethi


Shri Ramesh Natarajan

Harashpal Singh Sawhey also released the fifth book, "Audio to Ampere," by industry veteran and conference convener, Shri Ramesh Natarajan. The book, titled "Audio to Ampere," was officially released in the presence of those present on stage.

Convener Shri Ramesh Natarajan explained the idea behind the conference theme and spoke about the importance of lead batteries in the changing energy environment.

This opening technical note provided a glimpse into the Indian battery industry, addressing market pressures, regulatory changes, and new technologies, and clearly explaining why SMEs must adapt quickly to remain competitive.

The summit was conducted with great ease by the Master of Ceremonies, Federation General Secretary, Shri Naresh Tomar.

At the technical conference, numerous leaders shared their insights and knowledge on various topics.

Gap and Bridge – Where Lead Batteries Still Win

Luminous Vice President Shri Amlan Kanti Das addressed the topic "Gap and Bridge – Where Lead Batteries Still Win."

The session focused on the enduring strengths of lead-acid batteries, including cost efficiency, recyclability, and a well-established infrastructure. While acknowledging performance shortcomings, the speaker presented lead-acid as a "bridge technology" during the transition to new chemistries.

Latest Developments and Innovations in Battery Chemicals

Mr. John Miller of the American company Hammond delivered his address on the topic "Latest Developments and Innovations in Battery Chemicals."

A technology-focused session highlighted recent innovations in battery chemicals, additives, and materials. The discussion demonstrated how innovations in chemistry can significantly improve the performance and cycle life of both lead & lithium-ion batteries.

Federation officials honouring Dr. N. Sugumaran

Federation officials honouring Shri John Miller

Federation officials honouring Shri Amalan Kanti Das

Federation officials honouring Dr. Jaikumar

Federation officials honouring Dr. Akshay Jain

Federation officials honouring Dr. Sundar Mayavan

Federation officials honouring Shri Aditya Mahawar

Federation officials honouring Shri Anupam Vipul

Federation officials honouring Shri Biman Gandhi

How Lead Batteries Can Compete with Other Technologies

Battery expert **Dr. N. Sugumaran** presented his views on what the lead-acid industry should do to counter the threats from lithium and sodium technologies. A strong proponent of lead-acid battery technology, Dr. Sugumaran discussed the competitive challenges posed by lithium- and sodium-based batteries. He suggested strategic responses, such as technology upgrades, focus on specific applications, and policy alignment, to strengthen the industry's position.

Understanding the Differences for Micro-Hybrid Applications

Technical expert, **Dr. Sundar**

Mayavan, explained the technical and functional differences between SLI and EFB batteries, focusing on their respective applications. This session provided valuable insights for manufacturers targeting new micro-hybrid vehicle technology.

Cancri Nanocarbon

Dr. Akshay Jain of **Cancri Pvt. Ltd., Jaipur**, highlighted nanocarbon technology and the role of Cancri nanocarbon in enhancing conductivity, charge acceptance, and battery durability. The session effectively linked advanced materials to real-world performance improvements. The presentation, including graphics and videos, clearly impressed the audience.

Panel Discussion Part 1

A special panel discussion was also held on the topic "Technology to Compete: Bridging the Performance Gap."

Panelists were:

- **Shri Amlan Kanti Das**
- **Dr. N. Sugumaran**
- **Dr. Sundar Mayavan**
- **Dr. Jayakumar**

The panel discussed how technology adoption, focused R&D, and gradual innovation can help lead-acid batteries compete with new chemistries. Practical challenges faced by SMEs and possible ways to upgrade technology were also discussed.

Lithium-Ion Battery Manufacturing Technology

Dr. Jayakumar presented a brief overview of lithium-ion battery manufacturing.

To improve the manufacturing process, SMEs were given clarity on production challenges, investment requirements, and quality considerations. Dr. Jayakumar emphasized that new technology should not be viewed as an enemy, but as an opportunity for learning and collaboration.

Impediments to CPCB's EPR System

EPR expert Shri Aditya Mahawar shared knowledge on regulatory challenges under the Extended Producer Responsibility (EPR) framework. Shri Aditya highlighted compliance issues, operational hurdles, and practical challenges faced by manufacturers, and also answered questions.

Staying in the Game

Business mentor **Shri Biman Gandhi** delivered a non-technical session. This session focused on responding to change from a mindset perspective. The speaker shared five practical pointers for lead-acid battery manufacturers to address potential disruptions. The session was strategic, motivational, and highly engaging with SME leaders.

Panel Discussion Part 2

A special panel also discussed strategies for SMEs in adverse market conditions. Moderator: Shri Ramesh Natarajan and panelists:

- **Shri Rajesh Kailat**
- **Shri K. Nagaraj**
- **Shri Naresh Anthala**

• Shri Abhijeet Sawant

This panel focused on survival and growth strategies for SMEs, including cost optimization, diversification, partnerships, and coping with adverse market conditions.

The summit strongly reinforced the message that the future of the lead-acid industry lies in resilience, reinvention, and informed adaptation. Through a balanced mix of technical information, regulatory perspectives, and strategic discussions, the summit provided SME battery manufacturers with both clarity and confidence to thrive in the changing energy environment.

Participants expressed satisfaction with the overall program flow, the quality of information and knowledge shared, and the value they received.

The conference not only confirmed the continued need for lead-acid technology, but also encouraged the industry to embrace change with openness, collaboration, and a forward-thinking approach.

– Ramesh Natarajan

Lead Alloys in India, Manufacturing Process and Industrial Demand in 2026

– Gravita India Ltd., Jaipur –

Lead plays a critical role in India's industrial and energy ecosystem. From automotive batteries and inverter systems to telecom infrastructure and renewable energy storage, the demand for lead remains strong. At the same time, lead is a hazardous material, and improper disposal of lead bearing waste poses serious environmental and public health risks.

This makes lead recycling plants an essential part of India's waste management and resource strategy. Instead of relying heavily on primary lead mining, which is resource intensive and environmentally damaging, recycling plants recover lead from used lead acid batteries and scrap, reintroducing it into manufacturing cycles. This approach reduces pressure on natural resources, lowers carbon emissions, and supports India's transition toward a circular economy.

With battery consumption rising and regulatory oversight increasing, compliant and technologically advanced lead recycling plants are no longer optional. They are a necessity for sustainable industrial growth.

Overview of Lead Recycling in India

Lead recycling in India is predominantly driven by used lead acid batteries generated from vehicles, industrial backup systems, and power storage applications. Unlike primary lead production, secondary lead recycling recovers metal from existing products, making it significantly more energy efficient and environmentally responsible.

India has developed a strong secondary lead ecosystem over the years, supported by formal recycling plants and an extensive collection

network. However, the sector has also faced challenges from informal operations that often lack environmental controls. To address this, regulatory authorities have tightened compliance requirements, encouraging a shift toward organized, registered recycling facilities.

Today, compliant lead recycling plants play a dual role. They ensure safe disposal of hazardous waste while supplying high quality recycled lead and alloys to battery manufacturers and other industries. This reduces import dependence and stabilizes raw material availability within the domestic market.

What Is a Lead Recycling Plant

A lead recycling plant is an industrial facility designed to safely process lead bearing waste, primarily used lead acid batteries and lead scrap, and convert it into reusable materials. The primary objective of such a plant is to recover lead efficiently while managing environmental and safety risks associated with handling hazardous substances.

Typical outputs from a lead recycling plant include:-

1. Refined lead.
2. Lead alloys used in battery manufacturing.
3. Recycled plastic from battery casings.
4. Treated residues and neutralized by products.

Modern plants operate using controlled mechanical, thermal, and chemical processes supported by pollution control systems. These facilities are required to follow strict guidelines related to emissions, waste handling, worker safety, and reporting.

In India, only authorized lead recycling plants registered with pollution control authorities are permitted to carry out these operations. Their role is central to maintaining compliance across the battery supply chain and enabling responsible material recovery.

Processing Capacity of Lead Recycling Plants in India

The capacity of a lead recycling plant refers to the volume of lead bearing material it can process within a defined period, usually measured in tonnes per annum. Capacity planning is a critical factor because it directly affects operational efficiency, regulatory compliance, and commercial viability.

In India, lead recycling plants typically operate across three broad capacity categories. Small scale facilities handle limited volumes and often serve localized collection networks. Medium scale plants process higher quantities and usually supply regional battery manufacturers. Large scale plants operate with integrated systems, advanced automation, and national level procurement networks.

Several factors influence a plant's processing capacity. Availability and consistency of feedstock such as used lead acid batteries is the most important. Technology selection, furnace efficiency, energy availability, and downtime for maintenance also play a major role. Regulatory approvals, including consent limits set by pollution control authorities, can further cap operational throughput.

Plants with higher capacity are generally better positioned to achieve

economies of scale, maintain stable output quality, and meet long term supply commitments.

Lead Recycling Process Step by Step

Lead recycling follows a structured process designed to maximize material recovery while minimizing environmental and safety risks.

The process begins with the collection and safe storage of used lead acid batteries and lead scrap. Materials are stored on impervious surfaces to prevent soil or water contamination.

Next, batteries undergo controlled mechanical breaking where different components are separated. Lead bearing parts, plastic casings, and acidic electrolyte are isolated for further treatment.

Recovered lead is then subjected to smelting and refining processes to remove impurities and achieve the desired purity levels. This refined lead is cast into ingots or converted into specific alloys depending on end use requirements.

Plastic casings are cleaned, processed, and converted into reusable granules. Acidic components are neutralized and treated through approved effluent management systems before disposal or reuse.

Each stage of this process is closely monitored to ensure environmental compliance and worker safety.

Technology Used in Modern Lead Recycling Plants

Technology plays a decisive role in determining the efficiency, safety, and compliance level of a lead recycling plant. Traditional plants relied on manual handling and basic smelting systems, which often resulted in lower recovery rates and higher emissions.

Modern lead recycling plants in India increasingly use mechanized battery breaking systems that improve separation efficiency and reduce worker exposure. Advanced furnaces with improved thermal control enable better lead recovery while lowering fuel consumption.

Pollution control equipment is now integral to plant design. This includes high efficiency bag filters, scrubbers, and emission monitoring systems that help meet strict air quality standards. Effluent treatment units manage wastewater and ensure safe discharge or reuse.

Automation and digital monitoring systems further enhance process consistency, traceability, and regulatory reporting. Plants adopting advanced technologies are better equipped to meet evolving environmental norms and attract long term business partnerships.

Environmental Compliance Requirements for Lead Recycling Plants

Lead recycling is classified as a high risk industrial activity due to the hazardous nature of lead and associated waste streams. As a result, lead recycling plants in India are subject to strict environmental compliance requirements throughout their lifecycle.

Before operations begin, plant operators must obtain Consent to Establish and Consent to Operate from the relevant State Pollution

Control Board. These approvals define permissible capacity, emission limits, waste handling practices, and monitoring obligations. Compliance is not a one time requirement and must be maintained through regular inspections and reporting.

Environmental compliance also extends to worker health and safety, storage infrastructure, and emergency response planning. Plants are expected to implement systems that prevent soil, air, and water contamination while ensuring safe working conditions for personnel.

Failure to comply with these requirements can result in penalties, suspension of operations, or permanent closure, making compliance a core operational priority rather than a procedural formality.

Key Regulations Governing Lead Recycling Plants in India

Multiple regulatory frameworks govern the operation of lead recycling plants in India. These regulations are designed to control pollution, ensure safe waste management, and promote responsible recycling practices.

The Battery Waste Management Rules define the responsibilities of producers, recyclers, and collectors in managing used lead acid batteries. Recycling plants must be registered under these rules and report material flow through designated portals.

The Hazardous and Other Wastes Management Rules regulate the handling, storage, transport, and disposal of hazardous residues generated during recycling operations. These rules mandate proper labeling, containment, and documentation.

Air and water pollution control laws specify emission standards for smelting operations and discharge norms for effluents. Compliance with these standards is monitored by pollution control authorities through periodic inspections and audits.

Together, these regulations form a comprehensive compliance framework that governs every stage of lead recycling plant operations.

Emission Control and Waste Management Practices

Effective emission control and waste management are central to environmentally responsible lead recycling. Modern plants incorporate multiple layers of control to manage pollutants generated during processing.

Air emissions from smelting furnaces are controlled using bag filters, scrubbers, and chimney monitoring systems designed to capture particulate matter and lead fumes. Continuous monitoring helps ensure emissions remain within permitted limits.

Wastewater generated during cleaning and neutralization processes is treated in effluent treatment plants before reuse or discharge. Solid residues such as slag are handled as per hazardous waste guidelines and disposed of through authorized channels.

Regular environmental monitoring, internal audits, and third party testing help plants identify risks early and maintain compliance. Plants that invest in robust emission control and waste management systems not only reduce environmental impact but also build

credibility with regulators and business partners.

Importance of Compliance for Plant Operators and Buyers

Environmental compliance is not only a regulatory requirement but also a critical business factor for lead recycling plants and their partners. For plant operators, adherence to regulations ensures uninterrupted operations, protects against legal penalties, and safeguards workforce health.

From a buyer's perspective, sourcing material from compliant recycling plants reduces supply chain risk. Battery manufacturers and industrial customers increasingly prefer recycled lead from authorized facilities to meet internal sustainability goals and regulatory expectations. Non compliant sourcing can expose buyers to reputational damage and legal scrutiny.

Compliance also influences long term viability. Plants that consistently meet environmental standards are more likely to receive regulatory renewals, attract investment, and secure stable supply agreements. In contrast, facilities with compliance gaps face operational uncertainty and higher costs over time.

Role of Lead Recycling Plants in India's Circular Economy

Lead recycling plants play a foundational role in India's circular economy by keeping valuable materials in continuous use. Lead is one of the most recyclable metals, and secondary lead production significantly reduces the need for mining and primary smelting.

By recovering lead from used batteries and scrap, recycling plants close the material loop between consumption and manufacturing. Recycled lead reenters the battery supply chain with substantially lower energy consumption and carbon emissions compared to primary production.

This closed loop approach supports resource efficiency, reduces import dependency, and contributes to environmental protection. As India advances its circular economy goals, lead recycling plants remain a critical link connecting waste management with sustainable industrial growth.

Challenges Facing Lead Recycling Plants in India

Despite progress, lead recycling plants in India face several challenges. The presence of informal recycling operations remains a significant concern, as these facilities often operate without environmental controls and undercut compliant plants on cost.

Compliance costs associated with advanced pollution control systems and regulatory reporting can also be substantial, particularly for smaller operators. Access to skilled technical personnel and consistent quality feedstock further affects operational stability.

Additionally, evolving regulations and stricter enforcement require continuous investment in technology and process improvements. Addressing these challenges is essential to strengthening India's formal recycling ecosystem and ensuring long term sustainability of the sector.

Future Outlook for Lead Recycling in India

The future of lead recycling in India is closely linked to rising demand for batteries across automotive, energy storage, telecom, and renewable energy sectors. As battery consumption grows, the volume of used lead acid batteries entering the recycling stream will continue to increase.

Regulatory enforcement is expected to become stricter, further accelerating the shift toward organized and compliant recycling plants. Government focus on circular economy adoption and Extended Producer Responsibility implementation will continue to formalize collection and recycling networks.

Technology upgrades, automation, and improved emission control systems are likely to define the next phase of growth. Plants that invest early in modern infrastructure and compliance will be better positioned to meet rising demand and regulatory expectations.

How Businesses Should Choose a Lead Recycling Partner

Selecting the right lead recycling partner is critical for both compliance and operational efficiency. Businesses supplying lead scrap or used batteries should evaluate potential partners based on several key criteria.

Authorization and registration with pollution control authorities should be verified. Recycling capacity and technology must be adequate to handle expected volumes safely. Environmental safeguards, emission controls, and waste management practices should meet regulatory standards.

Transparency in documentation, reporting, and payment terms further distinguishes reliable recycling partners. Working with compliant and capable recyclers helps businesses reduce risk and support sustainable material recovery.

Frequently Asked Questions

What is a lead recycling plant?

A lead recycling plant is an industrial facility that recovers lead from used batteries and scrap and converts it into reusable lead and alloys under controlled and compliant conditions.

How much capacity does a lead recycling plant require?

Capacity depends on feedstock availability, technology, and regulatory approvals. Plants in India range from small scale operations to large facilities processing thousands of tonnes annually.

Is lead recycling environmentally safe?

Yes, when carried out in authorized plants using approved technologies and pollution control systems.

What regulations apply to lead recycling plants in India?

Battery Waste Management Rules, Hazardous Waste Management Rules, and air and water pollution control regulations apply.

How does lead recycling support sustainability?

It reduces mining, lowers emissions, conserves resources, and supports circular economy goals.

Building a Sustainable Lead Recycling Ecosystem

Lead recycling plants are a cornerstone of India's sustainable industrial ecosystem. By combining adequate capacity, advanced technology, and strict environmental compliance, these facilities enable responsible material recovery and long term supply stability.

As regulatory oversight increases and sustainability expectations rise, compliant lead recycling plants will continue to play a vital role in supporting battery manufacturing and circular economy objectives. Businesses that align with responsible recyclers contribute not only to regulatory compliance but also to a more resilient and environmentally sound industrial future. ❑

Union Budget 2026 Provides Major Relief to EV and Battery Manufacturing

In the Union Budget 2026, the government has taken several important decisions to promote electric vehicle (EV) and battery manufacturing. Finance Minister Nirmala Sitharaman announced a customs duty exemption on essential items used in lithium-ion cell manufacturing, which is considered a major step towards making battery manufacturing affordable, competitive, and self-reliant in the country.

Budget 2026 places special emphasis on strengthening the EV and energy storage sectors. The government aims to promote domestic manufacturing, reduce dependence on imports, and establish India as a global electric mobility hub. Lithium-ion batteries are crucial not only for electric vehicles, but also for mobile phones and energy storage systems.

Ravi Mehra, Managing Director of Uno Minda, said that Budget 2026–27 will strengthen India's manufacturing ecosystem and advance the goal of a 'developed India'. He welcomed the inclusion of 35 capital goods for EV battery manufacturing in the duty-free list. He stated that this will increase domestic production of lithium-ion batteries, reduce costs, and accelerate electric mobility and energy storage. He also stated that initiatives such as high-tech tool rooms will strengthen capital goods manufacturing, improving quality and reducing costs.

Kunal Arya, co-founder and MD of Zelio E Mobility, said that India's electric two-wheeler sector is growing rapidly and Budget 2026–27 will help transform it into a robust industrial ecosystem. Reductions in customs duties on capital goods will reduce costs and promote local manufacturing. He also highlighted the ₹10,000 crore SME Growth Fund for the MSME sector as crucial, enabling companies to expand and innovate rapidly. ❑

The 18th China International Battery Fair will be held in Shenzhen

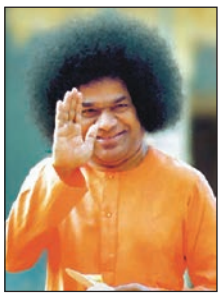
The 18th China International Battery Fair (CIBF) will be held on May 13-15, 2026, at the Shenzhen World Exhibition and Convention Center. Accompanying events include the 9th China Energy Storage Exhibition and the 4th International Hydrogen Energy and Fuel Cell Exhibition.

The event is expected to attract over 3,000 exhibitors and 350,000 visitors. CIBF has successfully held 17 editions and is one of the most influential energy exhibitions in the world.

In the energy sector, CIBF is leading and advancing the development and advancement of the new energy industry with professionalism and dedication. CIBF 2026 will continue to collaborate with top enterprises across the entire industry chain – including companies specializing in battery materials, equipment, cell manufacturing, package technology, and recycling. This latest technology will be gathered at Premier's global hub, leveraging full-chain ecological aggregation platforms and cross-domain innovation collaboration to jointly power the digital intelligence experience.

Conference on Frontier Technologies of Advanced Batteries

The theme of the CIBF 2026 Conference on Frontier Technologies of Advanced Batteries will be "Power Batteries, Energy Storage Batteries, and Fuel Cells." ❑



Life is a challenge,
face it! Life is a dream,
make it come true!
Life is a game, play it!
Life is love, enjoy it!

China's Journey in Lead-Acid Battery Innovation

The lead-acid battery industry in China accounts for approximately 40% of the global market. After years of technology imports, economic recovery, and engineering innovation, the Chinese battery industry has evolved from traditional lead-acid and nickel-chromium batteries to a complete supply chain that integrates various battery systems and aligns with advanced developments in Europe and the United States. It not only meets the market demand of China's economic activities but also exports extensively to the European and American markets, making it a leading global supplier of batteries for electric automotive power.

According to the statistical report of the Lead-Acid Battery Industry Association of China, total shipments of lead-acid batteries reached 413 GWh in 2024, with a turnover of $37.7 billion (RMB269.6 billion) and a CAGR of 10.6%.

According to data from 37 registered companies in the industry, the production and sales volume of automotive batteries for SLI reached 106.97 GWh in 2024. The total output of 11 stationary battery manufacturers reached 9.08 GWh. The production of electric bicycle batteries reached 167.69 GWh, becoming the product with the largest share in the lead-acid battery market in China."

This industrial development and progress cannot be achieved solely by battery manufacturers. Technological advancements in related products and supporting industries, as well as improvements in the supply chain, are among the key factors that have ultimately driven the current growth of lead-acid batteries in China. Scientists have been continuously researching, testing, and innovating lead-acid batteries due to their unique electrochemical reactions and near-100% recyclability. ❑

When the sun rises and shines,
not all the lotus buds in the lakes and ponds
bloom, only those that are ready do. The
rest have to bide their time, but everyone
is destined to bloom, everyone has to fulfill
that destiny. There is no need to despair.

ASEAN SMART ENERGY & ENERGY STORAGE EXPO

ASEAN Energy Storage Expo to be held in Bangkok

The ASEAN Smart Energy and Energy Storage Expo is scheduled to be held in Bangkok, Thailand, from March 25-27, 2026. The Federation of Indian Small-Scale Battery Associations is also supporting this expo. This will be the first expo abroad that the Federation is officially supporting.

Earlier this month, the ASEAN organizing committee, Guangdong Grandeur International Exhibition Group, and the Federation of Indian Small-Scale Battery Associations signed a Memorandum of Understanding. Under this agreement, various facilities will be provided to Federation members at the ASEAN Expo. ❑

Reliance Halts Lithium Cell Manufacturing Plans

According to a news report, Reliance Industries Limited has halted plans to manufacture lithium-ion battery cells in India after failing to acquire Chinese technology. This highlights how even the country's most powerful businesses are struggling to build an independent clean-energy supply chain.

Reliance's difficulties show that companies expected to help Prime Minister Narendra Modi achieve India's goal of becoming carbon-zero by 2070 cannot make significant progress without improved bilateral relations with Beijing. ❑

You should welcome the test
as it gives you confidence and
ensures promotion.

– Bhagwan Shri Sathya Sai Baba

E-Scooter Battery Explodes, Killing One Person

Amidst a series of accidents involving electric vehicle batteries, another tragic incident occurred in Narnaul on January 13th. A man was killed in an explosion caused by an electric scooter battery explosion late last night. The explosion ignited a fire in the house, burning many items to ashes. A fire brigade team arrived at the scene and brought the fire under control. The deceased has been identified as Shivkumar, 35, a resident of Barkoda village. He had been living in Ramnagar Colony for several years and worked as a laborer.

According to family members, Shivkumar had put his electric scooter's battery on charging at around 9:30 pm on Tuesday night. He was sleeping alone in the same room. At that time, the battery exploded violently, setting the room on fire. When the fire was extinguished and Shivkumar was rescued, he was already dead. ❑

When you accept service to humanity as your religion, you start feeling God within yourself, then you do not need to search for God in any temple or mosque.

– Bhagwan Shri Sathya Sai Baba

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विषयः बैटरी डायरेक्टरी के पाक्षिक व वार्षिक अंकों में विज्ञापन। दिनांक- 21 जनवरी 2026

प्रिय महोदय,

बैटरी डायरेक्टरी के पाक्षिक अंकों (हिंदी व अंग्रेज़ी संस्करणों) में विज्ञापन देकर आप बहुत कम राशि में देश-विदेश के समस्त बैटरी, बैटरी पार्ट्स निर्माताओं, बैटरी रिबिल्डरों, बैटरी स्मेल्टर्स आदि तक अपना बिक्री संदेश पहुँचा सकते हैं। बैटरी डायरेक्टरी के पाक्षिक अंक प्रत्येक मास की पहली तारीख को हिंदी संस्करण और 15 तारीख को अंग्रेज़ी संस्करण 2100 की संख्या में प्रकाशित होते हैं। बैटरी डायरेक्टरी का डिजिटल संस्करण इंटरनेट पर भी उपलब्ध है। बैटरी डायरेक्टरी-2026, पाक्षिक अंक और बैटरी उद्योग के नवीनतम समाचार अब वैबसाइट www.batterydirectory.co.in, www.onlinebatterydirectory.com पर उपलब्ध हैं।

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ऑनलाइन बैटरी डायरेक्टरी (www.onlinebatterydirectory.com पर उपलब्ध) व **बैटरी डायरेक्टरी (हार्ड कॉपी)** दोनों का वार्षिक शुल्क **मात्र ₹ 1,650/- है। बैटरी डायरेक्टरी (हार्ड कॉपी) का वार्षिक शुल्क मात्र ₹ 650/- है।** सदस्यों को **वार्षिक बैटरी डायरेक्टरी** के साथ दिसंबर तक पाक्षिक अंक **रजिस्टर्ड पोस्ट द्वारा** भेजे जाएंगे। **ऑनलाइन बैटरी डायरेक्टरी एक्सेस करने के लिए यूज़र आईडी व पासवर्ड भेजा जाएगा जिससे आप व आपका पूरा स्टाफ पूरे वर्ष हमारी वैबसाईट पर उपलब्ध ऑनलाइन डायरेक्टरी का लाभ उठा सकेंगे।** अपना सदस्यता शुल्क अथवा विज्ञापन शुल्क निम्नलिखित बैंकों में से किसी भी एक बैंक में ट्रांसफर द्वारा अपने शहर में ही जमा करा कर उसकी रसीद प्राप्त करने के लिए हमें एसएमएस या फोन द्वारा सूचित करें:

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UNION BANK OF INDIA	**520101018250706**	**UBIN0920711**	**GTB Enclave, NVM, Delhi-93**
PhonePe / Google Pay / Paytm Account	**CHANDRA MOHAN - Mobile No. 9810268067 in A/c: 113301000225**		

वार्षिक व पाक्षिक बैटरी डायरेक्टरी देश-विदेश के सभी प्रमुख बैटरी/बैटरी पार्ट्स उद्यमियों तक पहुँचने का सर्वोत्तम माध्यम है। बैटरी डायरेक्टरी के पाक्षिक अंकों व बैटरी डायरेक्टरी-2027 में **विज्ञापन देने के लिए कृपया अनुराधा: 9971150801, चंद्रमोहन: 9810268067 या शेखर वर्मा: 9910699538 को संपर्क करें।** आशा है कि सेवा का अवसर प्राप्त होगा।

बैटरी डायरेक्टरी एंड ईयर बुक

चंद्रमोहन

Battery Directory & Year Book (Vol.41 No.4)
16-28 February 2026 (Published on 23.02.2026)

Uniting Small Scale Battery Industry
41 years of Publication
1985 - 2026

BATTERY DIRECTORY & YEAR BOOK

Fortnightly Magazine Registered with Registrar of Newspapers for India. Regd. No. R.N. 43092/85
510, Janta Flats, G.T.B. Enclave, Delhi -110 093, Tel.: +91 11-22593952
Mobile: +91 9810268067, +91 9910699538, +91 9971150801, E-mail: battdir@gmail.com,
Website: **www.onlinebatterydirectory.com, www.batterydirectory.co.in**

Dt. 21st January 2026

Subject: Advertisement in the Fortnightly Issues of BATTERY DIRECTORY.

Dear Sirs,

By advertising in the fortnightly issues of Battery Directory (Hindi and English editions), you can reach all battery and battery parts manufacturers, battery rebuilders, battery smelters, etc., both domestically and internationally, with your sales message at a very low cost. The fortnightly issues of Battery Directory are published in a print run of 2100 copies each month, with the Hindi edition released on the 1st and the English edition on the 15th. The digital edition of Battery Directory is also available online. Battery Directory-2026, the fortnightly issues, and the latest news from the battery industry are now available on the **websites www.batterydirectory.co.in and www.onlinebatterydirectory.com**

Special features of
Battery Directory-2026

✓ 1528 pages in two parts
✓ Details of 6246 firms involved in Battery Industry/ Trade
✓ 2363 Firm's Verified GST Numbers
✓ 254 Firm's Verified

The advertising rates per insertion are as follows:

		Total
1. **Front cover** (Size 12.5 cm x 14cm)	₹ 18,000 + 5% GST	₹ 18,900
2. **Inside front cover** (Size 19 cm x 11cm)	₹ 13,000 + 5% GST	₹ 13,650
3. **Page no. 3** (Size 19 cm x 11cm)	₹ 12,000 + 5% GST	₹ 12,600
4. **Back cover** (Size 19 cm x 11cm)	₹ 15,000 + 5% GST	₹ 15,750
5. **Inside back cover** (Size 19 cm x 11cm)	₹ 11,000 + 5% GST	₹ 11,550
6. **Opp. State Map or opp. beginning of the Address**	₹ 10,000 + 5% GST	₹ 10,500
7. **Full page in multi colours** (Size 19 cm x 11 cm)	₹ 9,000 + 5% GST	₹ 9,450
8. **Half page in multi colours** (Size 9.5 cm x 11 cm)	₹ 5,000 + 5% GST	₹ 5,250
9. **One fourth page in multi colours** (Size 4.5 cm x 11 cm)	₹ 2,700 + 5% GST	₹ 2,835
10. **Full ordinary page in Black & White** (Size 19 cm x 11 cm)	₹ 5,000 + 5% GST	₹ 5,250
11. **Half ordinary page in Black & White** (Size 9.5 cm x 11 cm)	₹ 2,600 + 5% GST	₹ 2,730
12. **One fourth page in Black & White** (Size 4.5 cm x 11cm)	₹ 1,500 + 5% GST	₹ 1,575

UDYAM Numbers

✓ List of 64 types of industries related to batteries

✓ WhatsApp nos. of 2964 firms

✓ E-mails of 3228 firms

✓ Websites of 1566 firms

✓ 1231 changes/amendments in last year's Directory

✓ Names of firm owners in bold letters

13. **Front Page of Battery Directory Website** (Size 100 px x 700 px)
(At least 30 days booking mandatory) ₹ 99 per day (+18% GST) ₹ 1,752

Discount of 10% is available for the advertisers releasing at least 6 insertions in a year with advance payment.

Annual Subscription of Online Battery Directory (website www.onlinebatterydirectory.com) & Battery Directory (Hard Copy) is just ₹ 1,650/-. The annual subscription of Battery Directory (Hard Copy) is ₹ 650/- (Including Postage Charges) only. Subscriber of Annual Battery Directory shall also get the fortnightly issues upto December month. To access Online Battery Directory, user name and password will be provided by us. You may deposit the Subscription/Advertisement charges by Transfer in any of the following Banks at your City under intimation by SMS to us:

OD BANK ACCOUNT of BATTERY DIRECTORY AND YEAR BOOK			
BANK NAME	*ACCOUNT NO*	*IFSC CODE*	*BRANCH ADDRESS*
UNION BANK OF INDIA	565101000013133	UBIN0920711	GTB Enclave, NVM, Delhi-93
SAVING BANK ACCOUNT of CHANDRA MOHAN			
ICICI Bank	113301000225	ICIC0001133	Dilshad Garden, Delhi-95
UNION BANK OF INDIA	520101018250706	UBIN0920711	GTB Enclave, NVM, Delhi-93
PhonePe / Google Pay / Paytm Account	CHANDRA MOHAN - Mobile No. 9810268067 in A/c: 113301000225		

The addresses of 6246 Battery Entrepreneurs/businessmen from India and abroad have been published in the Annual Battery Directory-2026 (page 1528, two parts). The Annual and Fortnightly Battery Directory is the best medium to reach all the major battery/battery parts entrepreneurs from India and abroad. To advertise in the fortnightly issues and in the Annual Battery Directory-2027, please contact Anuradha: 9971150801, Chandra Mohan: 9810268067, Shekhar Verma: 9910699538.

Looking forward to serve you.

Yours faithfully,

for **Battery Directory & Year Book**

(CHANDRA MOHAN)

Benefits of Advertising in Battery Directory

If you advertise in the Battery Directory, you will receive the following benefits:-

✔ **Your product will be promoted among battery entrepreneurs from India and abroad.**

✔ You will receive a free set of the Battery Directory-2026 (priced at Rs. 650).

✔ **The Online Battery Directory-2026 subscription fee is Rs. 1000, and this subscription will be provided free of charge. Not only you but also your staff will be able to view and benefit from the directory on their mobile phones, laptops, or computers.**

✔ Your name will be highlighted in the Product Manufacturing Index.

✔ **Your mobile number will be added to the Battery Directory WhatsApp group, allowing you to connect directly with battery entrepreneurs across the country and meet your needs within the group.**

✔ You will receive free access to the Battery Directory's fortnightly issues throughout the year.

✔ **You can submit articles and news for publication in the magazine.**

✔ Your photo may be published in the Battery Directory under the "Batterymen at a Glance" column.

✔ **Your address will be printed in the Battery Directory with your brand name logo, which will draw attention to your address.**

✔ In the Online Battery Directory, you can easily access the details and advertisements of the people you want to find in a few moments using the search tool. This way, other people can also reach you. This easy access increases business.

✔ **Your advertisement will appear under your city in the Online Battery Directory portal www.onlinebatterydirectory.com.**

✔ Your company name will appear under your state and city in the online battery directory portal www.onlinebatterydirectory.com.

The fee for a one-page color advertisement (including 5% GST) is ₹9,450.

The fee for a half-page color advertisement (including 5% GST) is ₹5,250.

The fee for a one-page color advertisement (including 5% GST) is ₹5,250.

Chandra Mohan: 9810268067

Benefits of Becoming a Member of the Battery Directory

If you subscribe to the Battery Directory, you will receive the following benefits:-

✔ **You will receive a free set of the Battery Directory-2026 (priced at Rs. 650).**

✔ The fortnightly issues of Battery Directory (two magazines per month, Hindi and English), which were previously sent by ordinary post, will now be sent by registered post (magazine post) by December 2026. You will receive them within five days of publication.

✔ **Your firm's name and address will be published free of charge in the Online Battery Directory and in the Battery Directory-2027, which will be published in January 2027.** Entrepreneurs will be able to easily contact you through the search tool.

✔ **You will be added to the Battery Directory's WhatsApp group, allowing you to connect directly with battery entrepreneurs across the country and fulfill your needs within the group.**

✔ Battery, Inverter, Battery Charger, UPS, and RO manufacturers will find information about you, and you will also be able to contact them.

✔ The magazine publishes news about the activities of various Battery Associations and Battery Federations in the country. You will also be able to connect with the battery world.

✔ Articles on Batteries, Battery Machinery, Battery Chargers, etc. are published in the fortnightly issues of Battery Directory. You will benefit from studying them.

✔ You can also submit your news for publication in the Battery Directory.

The subscription fee for the Battery Directory (hard copy) is only ₹650.

The subscription fee for the Online Battery Directory is only ₹1000.

Chandra Mohan: 9810268067

Supreme need for National Unity

– Bhagwan Shri Sathya Sai Baba –

In this vast world, in which countless, human beings are leading miserable lives, pursuing endless desires and unattainable aspirations, the spirit of sacrifice is most essential. Trees bring forth fruits for the benefit of others. Rivers carry water for the use of others. Cows yield milk to benefit others. Likewise, man should share in harmony with others his qualities of goodness, compassion, forbearance and charity.

The earth follows its Dharma (natural duty) to make use of its five elements to produce sustenance for all living beings. Born on the earth, men are not following the example of the earth. It is not the creeds that men profess--whether Christianity or Islam or other religion--which lend value to their lives. The highest value is the fact of their humanness. All faiths combine to invest man with a unique effulgence.

The various talents with which man is endowed should be used-for good purposes on the basis that individual good is linked to social well-being. Man today has to go through transformation at three levels: First and foremost is spiritual transformation. Second comes transformation in the attitude towards society. The third change is at the individual level. When spiritual transformation takes place, there is an automatic change in the attitude towards society. When society becomes harmonious and prosperous, the individual also changes.

Three-fold transformation

This three-fold transformation is implicit in the term Sai. "S" stands for Spiritual change. "A" stands for Association change. This is change in one's relationships with others in

society. "I" stands for Individual change. Sai--this signifies changes at all three levels---Spiritual and Individual. This triple transformation is what Sai desires. When this transformation takes place, the whole world will be prosperous and happy.

The question today is' "How can spiritual transformation take place without changes at the individual and social level?" The basis for all the threefold transformations is the love principle. This love has to be experienced by one and all.

How is individual transformation to be achieved? There are some bad habits among individuals such as smoking, drinking liquor, meat eating and gambling. These bad habits not only degrade the individuals but also inflict hardships on their families. These bad habits have to be given up for the individual to manifest his inherent goodness. One's personality can blossom only when he leads a moral life.

How should one's attitude to society be changed? One should give up talking ill of others, reviling them or ridiculing them, feeling envious of good people. Evil traits like these lead to loss of peace in society. People should develop friendly and loving attitude towards their fellowbeings in society. To develop a sense of helpfulness, there should be the spirit of sacrifice. People should also cultivate the feeling of sympathy and understanding.

For spiritual transformation, the qualities that are needed are Dhaya, kindness, love, forbearance and compassion. Bhaarath throughout the ages has fostered these qualities among the people. People today have forgotten these sublime qualities because they have lost the fear of sin, ceased to love God and do not observe social ethics. What greater misfortune can there be for the nation?

Love of God and fear of sin

Love of God should be a natural feeling in everyone. It is our immemorial heritage. When there is love of God, fear of sin follows naturally. Today fear of sin has gone and everywhere the most heinous crimes are being committed. In such a situation, how can there be morality in society?

How are we to transform this state of things? The Prime Minister, Sri. E V. Narasimha Rao, in his speech referred to the grave problems facing the country. Who is responsible for all the troubles, disorder and violence? Maname (We alone) are responsible. The truth has to be recognized. People are blaming others for their own faults. If there is unity among the people, there will be no problems. Unity is strength.

Today righteousness has declined among the people. As the level of righteousness goes down, the water level also goes down! If good qualities arise in men, the water level will also rise. What is the reason for the failure of timely rains and the shortage of food crops? It is the decline of morals among the people which is the cause of natural calamities. The people must cherish sacred thoughts. Then the people's

aspirations will be fulfilled. I have to utter a warning in the presence of the Prime Minister. Bhaarath achieved its freedom through the sacrifice of innumerable patriots, who gave up their lives. Freedom has been achieved, but not unity. Without unit)~ the nation is weak like the hand of a man who cannot use all his fingers. We must achieve unity in every field.

Need for national approach to sharing-river waters

All natural resources of the country should be enjoyed equally by all the people, regardless of caste or community. There are many rivers in our country which flow across State boundaries. Bhaarath is not lacking in water or other resources. We have many perennial rivers and vast areas of fertile land. But these resources are not being fully used. The nation's perennial rivers like Kaaveri, Ganga and Krishna should be treated as national property. Then there will be no room for inter-State disputes. All river waters should be used for the benefit of all the people. It is because of lack of unity and the assertion of separatist claims that a good deal of river waters is going to waste. If the Prime Minister endeavours to promote a national approach to the harnessing of river waters, the nation will prosper. The States also are prone to put their claims against the claims of others. They should adopt a co-operative and fraternal attitude towards each other and behave as good neighbours. If this is done, there will be no shortage of food or water in this country. The people also should develop this co-operative attitude.

It is well known that quite often, sections of the public adopt an adversary attitude towards measures taken by the Government. The people should recognise that these measures are taken in their interest. Moreover, the public should not remain idle, leaving everything to the Government. They have to do their duty. They have to live up to certain ideals. The body should be used for rendering help to others. The spirit of helpfulness must be fostered.

There is an old Sanskrith saying which declares' "Charity is the ornament for the hand; Truth is the ornament for the throat; Listening to sacred lore is the ornament for the ears." These are the ornaments which should be valued.

Education, health and water should be free for all

Svaami had resolved from the beginning on the provision of three vital things for the people: For health, the heart is important. For education, the head is important. For the body, water is vital. I feel that these three should be provided to the people free. Today a heavy price has to be paid for medical care and for. education. Even water has to be bought. A heavy capitation fee has to be paid for getting admission even in a primary school. Illness is incidental to human life. Doctors should be prepared

to make any sacrifice to relieve the sick. Money should not be the primary consideration. There are many educated students present here. They should take a pledge to serve society after finishing their studies. Instead of going after high salaried jobs in the cities they should go to the villages to serve the poor living there and earn their love and gratitude. Only then their education would be worth while. Students should be quite content with modest emoluments in the villages, with which they can be more comfortable than with larger earnings in the cities. They can lead more healthy and happy lives in the villages.

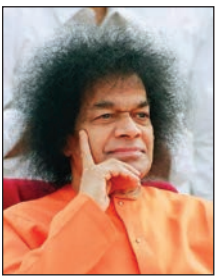
The water project

With regard to the water project, it should be noted that much was accomplished in a short period. In the execution of the project changes had to be made in response to the appeals of people in different villages. Because of this, the entire project has not yet been completed. Some villages are yet to get water. This should not cause any disappointment. Whatever may happen, all villages will get water and the project will be fully carried out.

The inauguration of the project by the Prime Minister does not mean that further work will be held up. We are prepared for any sacrifice to honour the plighted word. Work will be resumed from tomorrow and we shall see that by January the entire district is supplied with water. We will give no room for anyone to complain that he has not got water.

It is a matter for gratification that today the Prime Minister, who belongs to Andhra Pradesh, has inaugurated the water supply scheme for Ananthapur District. All of you should live in amity, without differences of any kind and offer your cooperation to the Government. Not only will the nation benefit from your unity, but you will also be setting an example to the world. Give up hatred and jealousy, participate with love in measures taken by the government for the well-being, of the people. Love can achieve anything.

Discourse in Sai Kulwant Mandap on 18-11-1995.



Whenever and wherever you bring yourself in contact with God, that is the state of meditation.

– Bhagwan Shri Sathya Sai Baba

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