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# BATTERY DIRECTORY

## & YEAR BOOK

FORTNIGHTLY ISSUE

16-30 April 2026

(Vol.41, No.8 Published on 11.04.2026)



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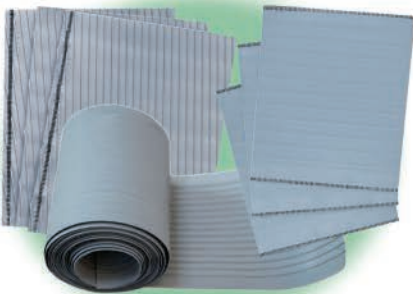


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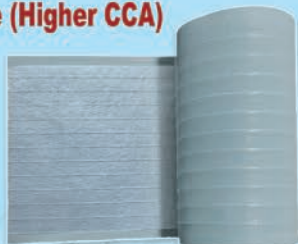
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## **IBMA Challenges CPCB's Price Controls on EPR Electronic Trading Platform; FISSBA Prepares Parallel Petition for MSME Exemption**

In a major legal move impacting the Indian battery industry, the Indian Battery Manufacturers Association (IBMA) has filed a Writ Petition in the Delhi High Court challenging the recent amendments to the Battery Waste Management Rules, 2022, and the E-Waste (Management) Rules, 2022. Compounding the regulatory pushback, the Federation of Indian Small Scale Battery Associations (FISSBA) is now preparing to mount its own legal challenge, signalling widespread industry unrest regarding the government's digital compliance infrastructure.

IBMA's writ petition challenges the Battery Waste Management (Amendment) Rules, 2024 (Rules 10(17) and 10(18)) and the E-Waste (Management) Amendment Rules, 2024 (Rules 15(9) and 15(10)), along with the CPCB Guidelines linking EPR Certificate prices to Environmental

Compensation (EC) through a Electronic Trading Platform (ETP). The gravamen is that the Environment (Protection) Act, 1986 (EPA) — a purely environmental statute — confers no legislative competence to fix commercial prices between private parties, and that the CPCB Guidelines amount to sub-delegated price-control legislation without statutory mandate.

The legal actions bring to the forefront a growing friction between the battery industry—across both corporate and MSME tiers—and environmental regulators over the implementation mechanics of the circular economy.

### **The Petition**

The primary petition was filed by the Indian Battery Manufacturers Association (IBMA), representing over 25 major battery manufacturers and producers. The legal action is directed against the Union of India (through the

Ministry of Environment, Forest and Climate Change – MoEFCC) and the Central Pollution Control Board (CPCB).

In a parallel development, the Federation of Indian Small Scale Battery Associations (FISSBA), representing the vast network of micro and small-scale battery units across the country, has announced it will soon file a similar petition representing the grassroots tier of the industry.

The IBMA Petition Contests the constitutional validity of the 2024 amendment rules and CPCB guidelines that introduce a rigid price-control framework on the centralized digital portal. This framework mandates minimum and maximum floor prices for Extended Producer Responsibility (EPR) Certificates traded on the system, pegging them directly to Environmental Compensation.

- ◆ **The Upcoming FISSBA Petition:**  
Takes an existential stance, preparing to demand a blanket exemption or a heavily restructured tiered compliance system for Small and Micro scale units regarding both EPR obligations and mandatory participation on the centralized digital trading infrastructure.

## Context: Roles, Motives, and the ETP Development

To understand the gravity of these dual petitions, it is essential to understand the modern regulatory ecosystem:

- ◆ **The Roles:** The MoEFCC serves as the apex policymaking body formulating environmental laws. The CPCB acts as the technical and regulatory enforcement arm, tasked with managing the digital compliance frameworks and issuing penal guidelines.
- ◆ **The Motive behind EPR & ETP:**  
The government's primary motive behind EPR is to mandate a circular economy, shifting the financial responsibility of end-of-life battery management onto producers. To manage this at a national scale, the CPCB implemented the Electronic Trading Platform (ETP). The ETP was designed as a centralized digital marketplace to ensure transparency, prevent the double-counting of recycled materials, and allow producers and recyclers to securely trade EPR certificates to meet their compliance targets.

*Through a petition, FISSBA is preparing to demand either a complete exemption or a restructured, tiered compliance system for small and micro-level units, regarding both EPR obligations and mandatory participation in centralized digital trading.*

The Point



- ◆ **Advanced Developments:** While the ETP modernized compliance by digitizing the market, the CPCB recently introduced an advanced directive to artificially fix the trading prices on this platform. Ostensibly to stabilize the market and penalize non-compliance, the CPCB introduced minimum and maximum pricing limits on the ETP, linked to severe Environmental Compensation penalties.

### The Core Grievances

The industry's grievances highlight distinct operational crises across different scales of manufacturing regarding the ETP:

- ◆ **IBMA's Corporate Stance:** Argues that the Environment (Protection) Act, 1986, does not grant the CPCB the statutory mandate to fix prices between private parties on a digital exchange. Converting penal Environmental Compensation into a benchmark for ordinary EPR certificate pricing transforms the ETP from a free-market environmental compliance mechanism into an arbitrary economic regulation. This price-fixing artificially inflates compliance costs and causes inflationary pressures on end-consumers.
- ◆ **FISSBA's SME Survival Stance:** Highlights the severe ground-level challenges micro and small producers face in navigating this digital infrastructure. The centralized ETP creates a steep administrative hurdle for SMEs, who lack dedicated IT and compliance teams to track historical sales by weight, compute complex EPR obligations, and

navigate the digital exchange. Furthermore, forcing SMEs to purchase EPR certificates on the ETP at newly mandated, artificially high floor prices drains their limited working capital.

**The IBMA initiated this challenge by filing a Civil Writ Petition under Article 226 of the Constitution of India, seeking a judicial directive to declare the impugned price-control rules unconstitutional and ultra vires to the Environment (Protection) Act, 1986. FISSBA is expected to utilize a similar constitutional mechanism to plead for MSME exemptions, arguing that the uniform application of these highly digitized, capital-intensive rules violates the principles of equity and the fundamental right to conduct business for small-scale operators.**

### The On-Ground Impact: How the Price-Controlled ETP Threatens the SME Sector

If the current digital regulatory framework remains unchanged, industry experts warn of severe, cascading impacts on the SME battery sector:

**1. Mass Unit Closures & Job Losses:** Unable to bear the financial burden of purchasing artificially high-priced certificates on the ETP, alongside the administrative overhead of digital compliance, a significant percentage of legitimate micro and small units will be forced to shut down. This will lead to localized, large-scale unemployment across industrial clusters.

**2. Market Consolidation and Monopolization:** As SMEs are priced out of compliance on the

ETP and forced to exit the market, large corporate players will inevitably absorb their market share, likely driving up battery prices for the end consumer.

### 3. Counter-Productive

**Environmental Outcomes:** Ironically, pushing complex digital trading requirements too hard on thin-margin SMEs may defeat the MoEFCC's original environmental motives. Faced with unviable compliance costs on the ETP, many small players might be driven underground into the unorganized, informal sector. This black-market ecosystem operates entirely outside the digital purview of the CPCB, bypassing EPR recycling mandates altogether and ultimately leading to worse environmental pollution.

The dual legal challenges mounted by the IBMA and FISSBA highlight a critical standoff between

the Indian battery industry and environmental regulators over the commercial and operational mechanics of the centralized EPR Electronic Trading Platform. While corporate manufacturers protest the CPCB's arbitrary price-fixing of EPR certificates as an unconstitutional economic overreach that inflates costs, the MSME sector is fighting for basic survival against capital-intensive digital compliance and wastewater mandates that threaten to decimate small-scale units. Ultimately, these petitions underscore the urgent need for a balanced, tiered regulatory framework that achieves environmental circularity without crippling free-market dynamics or inadvertently driving grassroots producers into the heavily polluting unorganized sector.

– Arvind Mohan

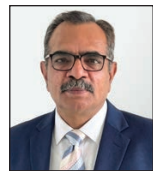


## Sh. Vijay Parikh Steps Down as Executive Director (Non-Board Member) at Gravita India

**Sh. Vijay Parikh** has stepped down from his position as Executive Director (Non-Board Member) at Gravita India due to personal responsibilities. Sh. Parikh expressed his gratitude to Gravita's Board and Management for the support received during his tenure and extended his best wishes for the company's future. Sh. Vijay Parikh's fellow Executive Director and Non-Board Member, **Sh. Yogesh Mohan Kharbanda**, will assume all his duties and responsibilities.



Sh. Vijay Parikh



Sh. Yogesh Kharbanda





## Rajasthan Storage Battery Trade Association's Biennial General Meeting and Elections Concluded

Sh. Satish Sharma Elected as New President and Sh. Lokesh Tikkiwal as New General Secretary

**T**he biennial elections of the **Rajasthan Storage Battery Trade Association** were successfully concluded on March 29 at the Vishwakarma Association Bhawan in Jaipur.

A noteworthy highlight of the event was that elections for all posts within the Association were held unopposed. **Sh. Satish Sharma** of S.S. Metals was unanimously elected as the Association's new President, while **Sh. Lokesh Tikkiwal** of New A.B. Battery was elected as the new General Secretary.

Election Officer **Sh. Ganga Singh Rathore** announced the new Executive Committee for the 2026-28 term, comprising fifteen members: **Prahlad Rai Sharma** (Anurag Chemicals), **Dinesh Kumar Saini** (Dinesh

### Newly Elected President and General Secretary



Sh. Satish Sharma



Sh. Lokesh Tikkiwal



Address to the Assembly-  
Sh. Ramlal Kachhwah



Sh. Satish Chand Heda



Sh. Ramesh Sankhla



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In his presidential address, the newly elected President, **Sh. Satish Sharma**, stated that during the 2026–28

term, he would work in collaboration with all members while upholding the respect and legacy of the organization's founders and former office bearers. Outlining his vision, he pledged to expand the organization's reach to every district and tehsil level across Rajasthan, expedite the allotment of shops designated by the Jaipur Development Authority (JDA), and make continuous efforts to resolve the various challenges faced by the business community. Furthermore, he gave an assurance that he would work alongside all Executive Committee members to make every possible effort to secure land from the government for the construction of the organization's new building.



*Battery entrepreneurs present at the meeting asking questions.*

In his address, the newly elected General Secretary, **Sh. Lokesh Kumar Tikkiwal**, affirmed that he would work with the cooperation of all members, strive to increase the membership base, and set a goal to elevate the organization to new heights on a national level. He also gave an assurance that he would leverage the experience of former office bearers in his work and uphold the dignity of the organization.

Founder member **Sh. Ramlal Kachhwah** entrusted the responsibility of making efforts at the government level to secure land for the organization's new building to Sh. Rajendra Karodia, Sh. Ramsingh Yadav, and Sh. Yadram Patwa, who were present at the assembly. In response, **President Sh. Amitabh Jhanwar announced a contribution of ₹100,000, and Sh. Kanaram Veer Gurjar announced a contribution of ₹51,000 towards the construction of the new building**—announcements that were welcomed with resounding applause by the members present.

General Secretary **Sh. Poonamchand Kachhwah** presented the report covering the activities of the past four years and successfully

conducted the proceedings of the assembly. He remarked that it was solely on the strength of the unwavering trust, affection, and cooperation of the honorable members that all of them gained the valuable experience of serving the organization. He noted that by prioritizing the organization's interests above all else, they were able to drive initiatives forward and execute their duties successfully.

Treasurer **Rafiq Mansuri** presented the statement of income and expenditure, which was passed by the members through a voice vote.

**Sh. Satishchandra Heda, Sh. Satyaprakash Gupta, and Sh. Dharmveer Yadav** shared their views regarding the organization's achievements, traditions, and future plans.

During the meeting, **Sh. Ramesh Sankhla** (Pali) called upon everyone to work together in unity.

Tributes were also paid to the late **Sh. Nandlal Rai** a former Senior Vice President of the Association with a two-minute silence observed during the meeting in his memory. □

## SGST Uncovers Tax Evasion Worth ₹1.67 Crore

During the final month of the financial year, the SGST Department (Kanpur Zone) conducted a drive against tax evaders, inspecting 3,462 goods-carrying vehicles; of these, 96 vehicles were caught transporting goods without valid e-way bills. The department has recovered a total of ₹1.67 crore from these defaulters.



From March 1 to March 21, seven units of the Mobile Squad in SGST Zone II (Kanpur) carried out a special operation targeting individuals and entities evading GST through various means, including the transport of iron and battery scrap. During this period, irregularities were detected in 96 vehicles, resulting in the recovery of ₹76.71 lakh in penalties.

Separately, inspections of 763 vehicles transporting sensitive commodities—such as iron scrap, \*pan masala\*, and betel nuts—revealed discrepancies in 35 vehicles. A sum of ₹28.71 lakh was collected from these vehicles. □



दुनिया के मौजूदा माहौल को देखते हुए,  
छात्रों को सांसारिक ज्ञान से लैस करने के  
साथ-साथ उन्हें नैतिकता और सदाचार के  
बारे में सिखाना भी महत्वपूर्ण है।

- भगवान श्री सत्य साई बाबा

# 100% of the Country's Demand for Raw Materials for Lithium-ion Batteries is met solely through Imports

[Recently, in a major decision, China imposed strict controls & licensing regulations on the export of high-performance lithium-ion batteries, cathode materials, and associated manufacturing technologies.](#)



*Sh. Bhupatiraju Srinivasa Varma,  
the Minister of State for  
Heavy Industries*

India remains entirely dependent on other nations for the lithium and other critical minerals essential for manufacturing EV batteries within the country. Recently, in a written response submitted to Parliament, **Sh. Bhupatiraju Srinivasa Varma, the Minister of State for Heavy Industries**, stated that 100% of the country's demand for raw materials used in lithium-ion batteries is currently being met through imports. This implies that any disruption or volatility in the global market would have a direct and immediate impact on India's EV sector.

## China's New Regulations

Citing data from the Society of Indian Automobile Manufacturers (SIAM), the Minister highlighted India's heavy reliance on imports for critical minerals such as lithium. China recently took a significant step by imposing stringent controls and licensing requirements on the export of high-performance lithium-ion batteries, cathode materials, and associated manufacturing technologies. Given that many Indian EV manufacturers rely heavily on China for the processing of battery-related raw materials, this move by China could disrupt the raw material supply chains for Indian companies.

## Impact on Electric Vehicles

Critical minerals used in batteries—such as lithium, cobalt, and nickel—are traded in the global market, and their prices are determined by international supply-and-demand dynamics. Consequently, if China's new restrictions cause even a minor disruption in the supply of these minerals, it could lead to significant price volatility in raw materials. An increase in the cost of raw materials would directly translate into higher manufacturing costs for Indian EV companies. Naturally, these companies are unlikely to absorb this increased cost burden themselves; instead, the direct impact will be felt by the consumers.

Minister of State for Heavy Industries Bhupatiraju Srinivasa Varma clarified that these external challenges can be effectively mitigated if new and advanced battery manufacturing technologies are developed domestically, if large-scale production is initiated, and if concerted efforts are made to accelerate indigenous battery manufacturing within India. □

## Delhi Government Unveils EV Policy 2.0

The Delhi government has introduced Electric Vehicle Policy 2.0 (EV Policy 2.0) as part of its 2026 budget. This policy adopts a "Scrappage First" model, meaning that to avail of subsidies on electric vehicles, it will be mandatory to first scrap an old petrol or diesel vehicle. The Delhi government has allocated a budget of ₹200 crore for this scheme. The objective is to accelerate the removal of old and polluting vehicles from the city.

### Benefits of Scrapping

To receive the full benefits under the new policy, you must provide proof that you have scrapped a Delhi-registered vehicle classified as BS-IV or older. Submitting a 'Certificate of Deposit' for the scrapped vehicle will be mandatory for this purpose.

### Subsidy Rates for Electric Vehicles

**Electric Cars:** A subsidy of up to ₹1 lakh is available for electric cars priced under ₹15 lakh. This benefit is limited to the first 100,000 buyers.

**Electric Two-Wheelers:** A flat subsidy of ₹10,000 (no longer dependent on battery capacity).

**Electric Three-Wheelers:** A subsidy of ₹25,000.

### Benefits for Converting Old Vehicles to EVs

If you convert your existing petrol or diesel car into an electric vehicle using an approved conversion kit, you will receive a grant of up to ₹50,000.

### Changes to Taxes and Registration Fees

The full exemption on road tax and registration fees for EVs will continue until March 31, 2030. However, this exemption does not apply to luxury EVs priced above ₹30 lakh.

### Changes in Public Transport

The government has allocated a budget of ₹8,374 crore for the transport sector. Under this scheme, 6,130 new electric buses are scheduled to be added over the coming year. The target is to have a total fleet of 12,000 e-buses by the year 2029.

### Status of Charging Infrastructure

The target is to establish 18,000 charging points across the city by the year 2026. Along with this, a battery recycling program has also been launched to enable the reuse of lithium-ion batteries.

# Frequently Asked Questions and Answers Related to EPR

## **Q. What is Battery?**

**Answer:** 'Battery' means new or refurbished cell and/or Battery and/or their component, including accumulator, which is any source of electrical energy generated by direct conversion of chemical energy and includes disposable primary and/or secondary battery.

## **Q. What does 'Waste Battery' includes?**

**Answer:** Waste Battery includes:

(i) Used and/or End of Life Battery and/or its components or spares or parts or consumables which may or may not be hazardous in nature;

(ii) Pre-consumer Off-Spec Battery and its components or spares or parts or consumables;

(iii) Battery whose date for appropriate use has expired;

(iv) Battery which have been discarded by the user.

## **Q. What is the meaning of EPR?**

**Answer:** EPR stands for 'Extended Producer Responsibility' which means responsibility of any Producer of Battery for Environmentally sound management of Waste Battery.

## **Q. What are EPR target for Producers/Manufacturers?**

**Answer:** EPR targets is the quantity of battery placed in the market by the Producer/Manufacturers. Details are given in Schedule II of the Battery Waste Management Rules, 2022.

## **Q. Who all comes under the definition of 'Producer'?**

**Answer:** 'Producer' means an entity who engages in:

(i) manufacture and sale of Battery including refurbished Battery, including in equipment, under its own brand; or

(ii) sale of Battery including refurbished Battery, including in equipment, under its own brand produced by other manufacturers or suppliers;

(iii) import of Battery as well as equipment containing Battery.

## **Q. Does manufacturers of Battery needs to obtain registration from CPCB?**

**Answer:** As per Rule 4 (4), The person or an entity involved in manufacturing of Battery shall have to register through the online centralised portal as Producer in Form 1(A). The certificate of registration shall be issued in Form 1(B).

## **Q. Does importer of battery needs to obtain registration from CPCB?**

**Answer:** As per rule 3(1) (u), Importer of Battery as well as equipment containing

Battery will be called 'Producer'. The Importer has to obtain registration from CPCB to carry out import activities related to battery.

**Q. Which entities shall register on the online portal developed by CPCB?**

**Answer:** The following entities shall register on the online portal developed by CPCB:

- (i) Producer (Importers comes under the definition of Producer as per Rules)
- (ii) Manufacturers of Battery
- (iii) Recyclers and Refurbishers

**Q. What are the documents required for KYC for registration of Producers/Manufactures?**

**Answer:** PDF copy of Company's PAN, CIN & GST of the Producer/Manufacturers.

**Q. Is the registration provided by CPCB to the importers of lead acid batteries under Batteries (Management and Handling) Rules, 2001 still valid?**

**Answer:** No, importers have to obtain fresh registration from CPCB to carry out any import activities related to battery as well as equipment containing battery.

**Q. Which type of batteries are covered under The Battery Waste Management Rules, 2022?**

**Answer:** All types of batteries regardless of chemistry, shape, volume, weight, material composition and use.

**Q. In case of Proprietorship/Partnership, under company details, what should be provided in PAN?**

**Answer:** PAN of the authorized person is to be provided.

**Q. When will the Importer be liable for EPR obligations?**

**Answer:** Importers shall have EPR Obligations under the following conditions:

- a. Importers who sale the imported battery in the market under their own brand name.
- b. Importers supplying the imported battery to other manufactures/dealers and the manufacturers/dealers is selling those batteries in the market under the brand name provided by the importer.
- c. Importers supplying the imported battery directly to bulk consumers.
- d. Importers selling the imported battery in the market under the name of the brand imported.

**Q. When will the Importer NOT liable for EPR obligations?**

**Answer:** Importers shall not have EPR Obligations under the following condition:

- a. Importers supplying the imported battery to other manufactures/dealers and the manufacturers/dealers is selling those batteries in the market under their own brand name.

### **Q. Do the Dealers of Battery have to register with CPCB/SPCB?**

#### **Answer:**

a. If the dealer purchases the battery from a manufacturer or a producer and sales the battery under its own brand name, in this case, the dealer will be called a Producer and will have to register with CPCB. The Dealer will also have EPR obligations as per rules.

b. If the dealer purchases or supplies the battery from manufacturer/s or a producer and sale them under the brand name provided by the manufacturer or producer, then the Dealer is not required to obtain CPCB or SPCB."

### **Q. Do the exporters of battery needs to register with CPCB and have any EPR obligations?**

**Answer:** If the company/brand is not placing the Battery in the Indian market, it will not have EPR obligations.

### **Q. Do manufacturers of products using battery as a component (e.g. manufacturers of UPS, inverters, medical equipment, emergency lights, Instruments, Signage, Printers, etc.) fall under definition of Producer under Para 3 (u) (i) & (ii) page 29 of the BWM Rules, 2022?**

#### **Answer:**

a. If a company/manufacturer is using a battery as a component in equipment's, then the manufacture will have EPR obligation and have to register as producer if it is making batteries under its own brand name.

b. If a company/manufacturer is using battery provided by other battery manufacturer/producer, then it will not have any EPR obligations."

### **Q. Where can I find the EPR Registration Certificate?**

**Answer:** There is no separate registration certificate for EPR. Registration is only granted under Form 1(B) of the Rules.

### **Q. We at XYZ industry/brand/company are engaged in manufacturer of Battery and supply of battery to different manufacturers in India. We do not supply any battery to direct consumer or through dealer. Do we need to obtain registration from CPCB?**

**Answer:** As per rules 4(4), Manufacturer of the battery has to register as producer by CPCB.

### **Q. Do the manufacturers of Battery have any EPR obligations?**

#### **Answer:**

I. Manufactures shall have EPR Obligations under following conditions:

a. Manufactures who sale the battery in the market under their own brand name.

b. Manufactures supplying battery to other manufactures/dealers and the other manufacturers/dealers is selling those batteries in the market under the brand name provided by the Original manufactures.

c. Manufacturers supplying battery directly to bulk consumers.

II. Manufacturers shall have not EPR Obligations under following conditions:

a. Manufacturers supplying battery to other manufactures/dealers and the manufacturers/dealers is selling those batteries in the market under their own brand name.

**Q. As per the new Batteries Waste Management Rules 2022, whether battery user or consumer is required to submit annual or half yearly return?**

**Answer:** Consumers/users of battery are not required to submit annual or half yearly returns. However, if any brand/company/industry/User is involved in import of any battery for in-house use,

then it is mandatory to obtain registration from CPCB and they will be liable for EPR obligations. In this case, they will have to submit annual returns by 30th June."

**Q. Where can I find the list of registered recyclers and refurbisher?**

**Answer:** The list of registered Recyclers and Refurbishers can be obtained through SPCBs/PCCs.

**Q. We at XYZ company are involved in Refurbishment of battery and after refurbishing the battery we are selling the battery under our own brand name. Will we have EPR obligations?**

**Answer:** If a company, be it a refurbishment unit is involved in selling of battery under its own brand name, then as per rules they will be called 'Producer'. They will have to register with CPCB and will have EPR obligations."

**Q. What documents are to be submitted by the Producer while applying for grant of registration?**

Answer: Refer SoP given on CPCB website.

**Q. In form 1 (A), under type(s) of Battery placed in the market with brand name(s), what brand name(s) to be written in case of imported Battery?**

**Answer:** Importer shall mention their own brand name(s) and not the brand name(s) of the battery imported.

## ONLINE BATTERY DIRECTORY

A Digital Version of Battery Directory  
[www.onlinebatterydirectory.com](http://www.onlinebatterydirectory.com)

If you subscribe to the Online Battery Directory, you will get a USER ID & PASSWOED, through which you and your staff can access the Directory anywhere, anytime.

*To get User Id & Password Please Call: 9810268067*

## **Lithium Reserves Discovered in the Country**

### GSI Conducting Quality Assessment

**Following** indications of potential lithium reserves in the Asurahaddi forest—located in the Tisri block of Jharkhand's Giridih district—the Geological Survey of India (GSI) has intensified its survey operations. Utilizing modern technologies, samples of soil and rock are being collected and subjected to rigorous analysis.

The discovery of lithium could prove to be a 'turning point' in Jharkhand's industrial history. The land of Jharkhand has long been a veritable treasure trove of natural resources; however, the potential emerging from this latest discovery is as valuable as gold and silver.



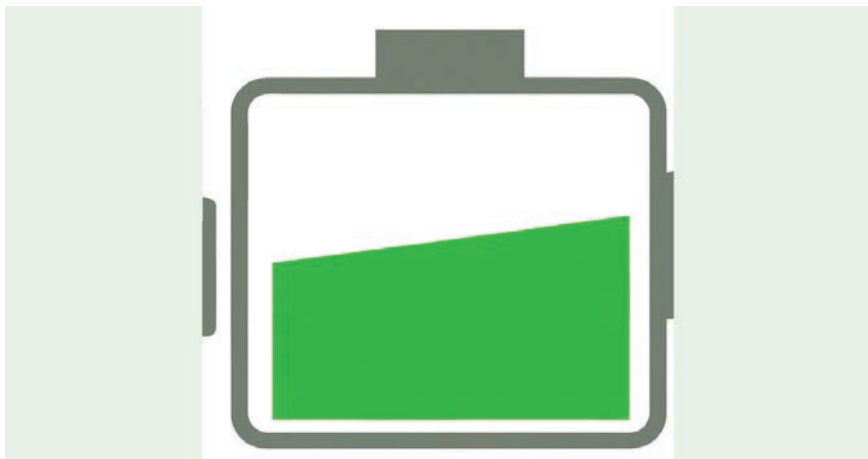
In the modern era, lithium is an essential component in virtually every device that can be recharged—ranging from smartphones to electric vehicles (EVs).

The collected soil and rock samples have been dispatched to laboratories under a specialized coding system to determine the purity (grade) of the lithium present. Should substantial reserves of lithium be confirmed at this site, it could fundamentally transform the economy of Giridih—and indeed, the entire state of Jharkhand.

## **Chinese Company Develops Battery That Fully Charges in 11 Minutes**

**One** of the biggest challenges associated with electric vehicles is the process of charging them. People are constantly plagued by the fear that their car might run out of power unexpectedly, leaving them wondering where to recharge it. A Chinese company has attempted to provide a solution to this very problem. The company has developed a sodium-ion battery that can be fully charged in just 11 minutes.

Electric vehicles are being actively promoted across the globe. However, they are still not attracting a large number of customers. The primary reasons for this are the time required to charge the battery and the limited driving range of EVs. While petrol or diesel cars can be refueled virtually anywhere, charging stations for EVs remain scarce.



[To help the Lead Battery entrepreneurs of the country, Microtex Energy Pvt. Ltd., Bengaluru has posted many blogs on batteries and battery related topics on its website \[microtexindia.com\]\(http://microtexindia.com\). We are publishing one of these here.](#)

## **State of Charge (SoC) and its Importance**

**T**he state of charge (SOC) refers to the amount of energy that is currently stored in a battery, expressed as a percentage of the battery's total capacity. Knowing the SOC is important because it helps you understand how much energy is available and how long your device or system can continue to operate before needing to be recharged. For example, if your smartphone has a battery with a 50% SOC, it means that it has used up half of its available energy and may need to be charged soon.

Similarly, if you are using a solar panel system to power your home,

monitoring the SOC of your batteries can help you ensure that you have enough energy stored to meet your needs during periods of low sunlight or high demand. By keeping an eye on the SOC and taking appropriate actions to recharge or conserve energy as needed, you can optimize the performance and longevity of your batteries and devices.

### **What is meant by State of Charge?**

State of Charge (SoC) is a term used to describe the current charge level of a battery relative to its total capacity. It

is expressed as a percentage, with 0% representing a fully discharged battery and 100% representing a fully charged battery. SoC provides an indication of how much energy is available in the battery at a given moment and helps users manage their energy usage and charging practices.

### **What do you need to know about battery health in order to maintain a high SOC?**

To maintain a high state of charge (SOC) for your battery, it is important to understand the concept of battery health. Battery health refers to the overall condition and performance of your battery, and can be affected by factors such as temperature, usage patterns, and charging habits.

To maintain a healthy battery and maximize its SOC, you should:

- ◆ Avoid exposing your device to extreme temperatures, as this can damage the battery and reduce its overall capacity.
- ◆ Avoid completely draining your battery on a regular basis, as this can also reduce its capacity over time.
- ◆ Use a high-quality charger that is designed for your device, and avoid using cheap or counterfeit chargers that may damage your battery.
- ◆ Charge your battery regularly to keep it topped up, rather than waiting until it is almost empty before charging.
- ◆ Consider using power-saving features on your device to extend battery life and reduce unnecessary drain.

By following these tips and taking good care of your battery, you can

help ensure that it stays healthy and maintains a high SOC over time.

### **How to measure state of charge of a lead acid battery?**

As a user, you can determine the State of Charge (SoC) of a lead-acid battery using several parameters:

**Battery Voltage Method:** One of the simplest ways to estimate SoC is by measuring the battery's open circuit voltage (OCV) using a multimeter when the battery is at rest (i.e., not being charged or discharged). The battery voltage measurement can then be compared to a voltage-to-SoC reference chart provided by the manufacturer or found online. Keep in mind that this method is only an approximation and may not be entirely accurate due to factors such as battery temperature and age.

**Specific gravity measurement:** For flooded lead-acid batteries, you can measure the specific gravity of the electrolyte using a hydrometer. The specific gravity is related to the SoC, and comparing the measured value to a specific gravity-to-SoC reference chart will provide an estimate of the SoC. This method is more accurate than voltage measurement but requires proper handling and safety precautions when working with the battery electrolyte.

### **Voltage-to-SoC reference table for lead acid battery**

Keep in mind that voltage-to-SoC reference charts may vary depending on the specific battery type, manufacturer, and temperature. See general reference table-1 for a 12V lead-acid battery at room temperature (25°C or 77°F).

This chart is a rough approximation and should not be relied upon for precise SoC determination. Factors such as battery age, temperature, and the specific battery chemistry can affect the relationship between voltage and SoC. Always refer to the manufacturer's guidelines and specifications for the most accurate information on your specific battery.

When using this chart, remember to measure the open-circuit voltage (OCV) when the battery is at rest, meaning it is not being charged or discharged. Wait for at least 30 minutes after disconnecting the battery from any load or charger before taking the voltage measurement for a more accurate reading.

### Specific gravity-to-SoC reference table for a 12V tall tubular lead acid battery using hydrometer

Please note that specific gravity-to-SoC reference charts may vary depending on the battery type, manufacturer, and temperature. See general reference table-2 for a 12V tall tubular lead-acid battery at room temperature (25°C or 77°F).

This chart is a rough approximation and should not be relied upon for precise SoC determination. Factors such as battery age, temperature, and the specific battery chemistry can affect the relationship between specific gravity and SoC. Always refer to the manufacturer's guidelines and specifications for the most accurate information on your specific battery.

When using this chart, remember to measure the specific gravity of the electrolyte using a hydrometer, ensuring

State of Charge (SoC)	Open-Circuit Voltage (OCV)
100%	12.7V – 12.8V
90%	12.5V
80%	12.4V
70%	12.3V
60%	12.2V
50%	12.1V
40%	12.0V
30%	11.9V
20%	11.8V
10%	11.7V
0%	11.6V or lower

*Table-1*

proper handling and safety precautions when working with battery electrolyte. Also, it's essential to correct the specific gravity reading for temperature if the battery's temperature is significantly different from the reference temperature (25°C or 77°F).

### State of charge of lithium-ion battery? Estimation using coulomb counting method

**Coulomb counting:** This method involves tracking the current flowing into and out of the battery to calculate the remaining charge. Specialized battery monitoring equipment or a battery management system (BMS) can be used for this purpose. While more accurate than voltage and specific gravity measurements, this method requires additional equipment and can be susceptible to errors due to factors such as battery efficiency and self-discharge.

State of Charge (SoC)	Specific Gravity
100%	1.265 – 1.285
90%	1.250 – 1.264
80%	1.235 – 1.249
70%	1.220 – 1.234
60%	1.205 – 1.219
50%	1.190 – 1.204
40%	1.175 – 1.189
30%	1.160 – 1.174
20%	1.145 – 1.159
10%	1.130 – 1.144
0%	1.115 or lower

Table-2

## Lithium battery state of charge (SoC)

A lithium battery state of charge (SoC) table is a general representation of the relationship between the charge level of a lithium-ion battery and its voltage. This table can be used to estimate the remaining capacity of a battery based on its current voltage. Please remember that this is only an approximation, as the actual voltage curve can vary depending on the specific battery chemistry, temperature, and discharge rate. See simplified lithium battery state of charge table-3.

Keep in mind that the voltage levels and corresponding SoC values may vary slightly for different lithium-ion chemistries, such as LiCoO<sub>2</sub> (LCO), LiMn<sub>2</sub>O<sub>4</sub> (LMO), LiFePO<sub>4</sub> (LFP), or LiNiMnCoO<sub>2</sub> (NMC). Also, remember that voltage-based SoC estimation has limitations and battery management systems (BMS) often use more complex algorithms that

Voltage (V)	State of Charge (SoC) (%)
4.20	100
4.10	90
4.00	80
3.90	60-70
3.80	40-50
3.70	25-35
3.60	10-20
3.50	5
3.20	0

Table-3

consider additional factors to provide a more accurate SoC estimation.

## State of Charge in Battery Management System

Smart battery monitors: Some advanced battery management systems or BMS can provide real time battery SoC measurements information using an algorithm combination of voltage, current, temperature, and other measurements. These devices offer the most accurate and convenient way to monitor the state of charge of a battery SoC but may come at a higher cost.

## Benefits of measuring State of Charge

By monitoring the SoC, you can better manage your battery usage and charging practices, ensuring that the battery is not over-discharged or overcharged, which can help prolong its life and maintain optimal performance. □

## Solar Revolution in UP: Capacity Soars from 400 to 5,000 MW

Over the past nine years, Uttar Pradesh has completely transformed its energy profile. Once plagued by power shortages and heavily reliant on traditional energy sources, Uttar Pradesh today ranks among the nation's leading 'Green Energy' states. While the state's total solar capacity was limited to a mere 400 MW



prior to 2017, it has since surged more than twelve-fold, crossing the 5,000 MW mark today. Effective government policies and active public participation have steered Uttar Pradesh toward a new path of energy self-reliance.

Prior to 2017, the solar energy sector remained stagnant due to policy uncertainties and a lack of investment. The Solar Energy Policies of 2017 and 2022, implemented by the current government, have completely transformed this landscape.

**Target:** Under the 2022 policy, the government has now set an ambitious target of achieving 22,000 MW in solar capacity.

**Expansion:** Alongside the development of large-scale solar parks, work is proceeding on a war footing to fully solarize government buildings.

### PM Surya Ghar' Scheme: Free Electricity Reaches Every Household

The 'PM Surya Ghar Muft Bijli Yojana' (Free Electricity Scheme) has played a pivotal role in transforming solar energy into a true 'mass movement' across the state.

**Achievement:** To date, over 400,000 rooftop solar systems have been installed across the state. **\*\*Economic Benefits:\*\*** Driven by attractive subsidies, families installing solar panels on their rooftops are realizing direct monthly savings averaging between ₹1,500 and ₹3,000. **\*\*Additional Income:\*\*** Through net metering technology, individuals are not only meeting their own energy needs but are also generating income by selling surplus electricity back to the power utility.

### Green Hydrogen: The New Hub for Future Energy

Following its success in the solar sector, Uttar Pradesh has now ventured into emerging and cutting-edge fields such as 'Green Hydrogen.' Two major projects are proving to be milestones on the path toward self-reliance:

**Gorakhpur:** A 0.5 MW pilot project by Torrent Power (producing 9 kg/hour).

**Rampur:** A plant with a capacity of 22.5 kg/hour, established by Zero Footprint Industries.



# बैटरी डायरेक्टरी एंड ईयर बुक-2026

की सदस्यता लेने पर

बैटरी, बैटरी पार्ट्स, इन्वर्टर, यू पी एस, आर.ओ. निर्माताओं को आपके बारे में जानकारी मिलेगी, वे आपसे संपर्क कर सकेंगे और आपको भी उनके बारे में विस्तार से जानकारी मिलेगी व आप उनसे जुड़ सकेंगे।

पत्रिका में देश की अनेक बैटरी एसोसिएशनों और बैटरी फेडरेशन की गतिविधियों के समाचार प्रकाशित होते हैं। आप भी बैटरी जगत से जुड़ पाएंगे।

पत्रिका में बैटरी, लैड, इन्वर्टर, यू पी एस आदि पर लेख छपते हैं। उनसे आपके ज्ञान में वृद्धि होगी।

**सदस्यता शुल्क केवल 650 रूपए**  
**समय पर सदस्यता रिन्यू कराएं, सदैव अपडेट रहें**

NEFT / IMPS या ऑनलाइन ट्रांसफर करके बैटरी डायरेक्टरी व एक वर्ष तक पाक्षिक अंक प्राप्त कीजिए।  
शुल्क निम्नलिखित में से किसी भी एकाउंट में जमा करा कर सूचित करें :-

BANK ACCOUNT of BATTERY DIRECTORY AND YEAR BOOK			
BANK NAME	ACCOUNT NO	IFSC CODE	BRANCH ADDRESS
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PhonePe / Google Pay / Paytm A/c	CHANDRA MOHAN - Mobile No. 9810268067		



## बैटरी डायरेक्टरी एंड ईयर बुक

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# Lithium Battery Fire Incidents Abroad as Well

**L**ithium-ion batteries represent a new technological hazard—one that, according to an expert in fire science, keeps him awake at night.

A fire at a historic building in Glasgow—which completely devastated the structure and forced the closure of Central Station, Scotland’s largest railway hub—is believed to have originated in a shop selling vapes. These vapes are powered by lithium-ion batteries.

Recent data reveals a sharp rise in battery-related fire incidents across Scotland, while in London, firefighters are called out every other day to extinguish fires involving e-bikes or e-scooters.

Paul Christensen, Professor of Pure and Applied Electrochemistry at Newcastle University, emphasized that while the likelihood of a lithium-ion battery catching fire is very low, the associated risk is "very, very high—as we witnessed with the fire in Glasgow."

**Guillermo Rein, Professor of Fire Science at Imperial College London, stated: "This is a new technology accompanied by an unintended new hazard—one that keeps me awake at night."**

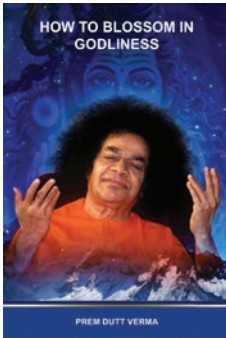
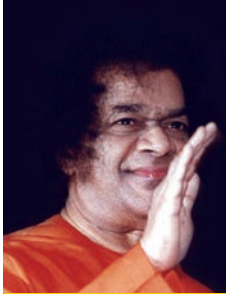
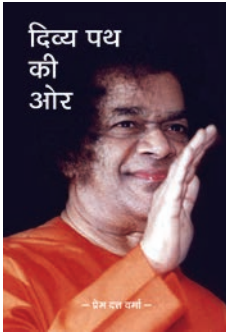
"Lithium battery fires—in the way they spread, the way we detect them,

and the way we extinguish them—are completely different from all the other types of fires against which we have historically safeguarded our homes, offices, and public buildings. They bypass most of the safety measures we currently rely upon. And these lithium batteries are everywhere." Lithium-ion batteries are used in mobile phones, tablets, laptops, electric toothbrushes, power tools, toys, and vapes; additionally, they are utilized to power e-bikes, e-scooters, and electric vehicles.

If misused or if they become defective, these batteries pose a specific type of hazard known as "thermal runaway." This is a dangerous chain reaction in which the internal temperature of the battery begins to rise uncontrollably. This process releases toxic gases that are expelled under immense pressure, triggering an explosion within the battery and generating a blowtorch-like flame.

Current statistics indicate a significant increase in such fire incidents in recent years. According to a report by the London Fire Brigade, firefighters responded to 206 incidents involving fires in e-bikes and e-scooters in 2025, whereas only 12 such incidents were recorded in 2019. □

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# Efforts Intensified for Domestic Production of Permanent Magnets and Exploration of Lithium

**D**r. Jitendra Singh, Union Minister of State (Independent Charge) for Science & Technology, Earth Sciences, and the Prime Minister's Office, stated in the Lok Sabha that India has intensified its efforts to boost the domestic production of rare earth permanent magnets and to explore critical minerals such as lithium. The objective is to raise the production capacity to 5,000 tonnes by the year 2030.



*Dr. Jitendra Singh*

Responding to questions raised during the Question Hour of the ongoing Budget Session, Dr. Jitendra Singh noted that the country's current requirement for rare earth permanent magnets stands at approximately 4,000 tonnes, a figure projected to rise to around 8,000 tonnes by 2030. This anticipated growth underscores the necessity for a rapid expansion of domestic capabilities.

Dr. Jitendra Singh further stated that a pilot project for Neodymium-Iron-Boron permanent magnets has recently been initiated, while a Samarium-Cobalt magnet plant in Visakhapatnam has been commissioned with an initial production capacity of 500 tonnes per annum. In the subsequent phase, this capacity is slated to be increased to 2,000 tonnes, and eventually to 5,000 tonnes by 2030.

Dr. Jitendra Singh added that the government is working in coordination with various ministries—under a 'Whole-of-Government' approach—to accelerate the exploration and development of critical minerals.

Responding to a question raised by Smt. Mahima Kumari Mewar, Dr. Jitendra Singh stated that preliminary survey work regarding lithium reserves is currently underway in Degana, Rajasthan, and further exploration activities are expected to commence shortly. He also mentioned that similar efforts are being pursued in the Reasi district of Jammu & Kashmir, under the aegis of the Ministry of Mines. Dr. Jitendra Singh stated that lithium and rare earth elements are critical for sectors such as electric vehicles, renewable energy, electronics, defense, aerospace, and space applications, and will play a pivotal role in supporting emerging technologies that require reliable energy systems, alongside the clean energy transition.

He also noted that recent policy measures—including provisions under the Atomic Energy (Amendment) framework—have opened up the exploration of several critical minerals to private sector participation; these measures incorporate safeguards for strategic resources such as uranium.

Citing recent initiatives, he mentioned that Rare Earth Corridors have been announced in Tamil Nadu, Odisha, Andhra Pradesh, and Kerala to strengthen the domestic ecosystem for processing and value addition. □

# Battery Directory-2026

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# बैटरी डायरेक्टरी एंड इयर बुक

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Mobile: 9810268067, 9910699538, 9971150801, E-mail: battdir@gmail.com,  
Website: www.batterydirectory.co.in, www.onlinebatterydirectory.com

**विषय: बैटरी डायरेक्टरी के पाक्षिक व वार्षिक अंकों में विज्ञापन।**

दिनांक- 21 जनवरी 2026

प्रिय महोदय,

बैटरी डायरेक्टरी के पाक्षिक अंकों (हिंदी व अंग्रेजी संस्करणों) में विज्ञापन देकर आप बहुत कम राशि में देश-विदेश के समस्त बैटरी, बैटरी पार्ट्स निर्माताओं, बैटरी रिबिल्डरों, बैटरी स्मोल्डर्स 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 अंग्रेजी 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](http://www.batterydirectory.co.in), [www.onlinebatterydirectory.com](http://www.onlinebatterydirectory.com) पर उपलब्ध हैं।

विज्ञापन दरें प्रति बार इस प्रकार हैं:

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- ✓ बैटरी उद्योग/व्यापार से जुड़ी 6,246 फर्मों का विवरण।
- ✓ 2363 फर्म के वेरिफाईड GST नंबर।
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12. एक चौथाई पृष्ठ ब्लैक एण्ड व्हाइट (आकार 4.5 से.मी. x 11 से.मी.) ₹ 1,500 +5% GST ₹ 1,575
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ऑनलाइन बैटरी डायरेक्टरी ([www.onlinebatterydirectory.com](http://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 यूजर आईडी व पासवर्ड भेजा जाएगा जिससे आप व आपका पूरा स्टाफ पूरे वर्ष हमारी वेबसाइट 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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ICICI Bank	113301000225	ICIC0001133	Dilshad Garden, Delhi-95
UNION BANK OF INDIA	520101018250706	UBIN0920711	GTB Enclave, NVM, Delhi-93
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- ✓ बैटरी डायरेक्टरी की वेबसाइट [www.battery-directory.co.in](http://www.battery-directory.co.in) पर प्रतिदिन लगभग 300 से अधिक विजिट्स।



CHANDRA MOHAN  
chandra-mohan@unionbank

# BATTERY DIRECTORY & YEAR BOOK

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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](http://www.batterydirectory.co.in) and [www.onlinebatterydirectory.com](http://www.onlinebatterydirectory.com)

The advertising rates per insertion are as follows:

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





**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 GST Numbers

### 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



CHANDRA MOHAN  
chandra-mohan@unionbank

### 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](http://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:**

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BANK NAME	ACCOUNT NO	IFSC CODE
UNION BANK OF INDIA	565101000013133	UBIN0920711
SAVING BANK ACCOUNT of CHANDRA MOHAN		
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UNION BANK OF INDIA	520101018250706	UBIN0920711
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.

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**Chandra Mohan: 9810268067**

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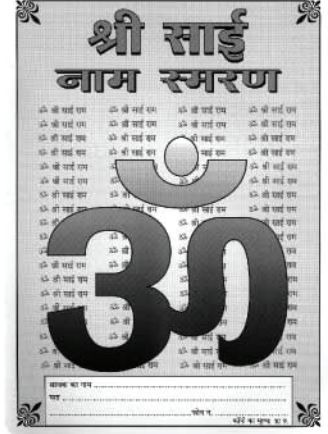
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सेवा: श्री मोहन द्वारा
- \* निःशुल्क होम्योपैथिक मेडिकल सेवा  
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सेवा: डॉ. आर. के. राठी (BHMS)
- \* साई जागृति बालविकास केन्द्र (कोरोना के कारण फिलहाल सेवा स्थगित)  
बी-10, लेप्रोसी होम, ताहिरपुर कुष्ठ कॉलोनी, समय प्रातः 9.30 से 12.00 तक  
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- \* निःशुल्क लाइब्रेरी - हिन्दी व अंग्रेजी में साई साहित्य पर लगभग 250 टाइटिल,  
साई फोटो, लॉकेट और विभूति उपलब्ध।
- \* समय-समय पर नारायण सेवा
- \* बालविकास कक्षाएँ
- \* शीतल जल सेवा



**He enabled a man, who had been confined to a  
wheelchair for 25 years, to walk;  
Sathya Sai Baba is also Jesus Christ;  
He conversed in any language of the world;  
Devotee heard Swami's Telugu discourse in English**

– Reminiscences of Shri Tribhuvan Sachdeva –

It was January 14, 1980—the day of Makar Sankranti. Suddenly, holidays were declared at Venkateswara University, granting a break of three days. All the students hailing from Anantapur, Dharmavaram, Hyderabad, and the surrounding areas headed back to their respective homes. Since we had come from the North, it was practically impossible for us to travel home and return within just three days; consequently, we all stayed back. That day happened to be a Sunday. I distinctly remember one of Swami's ardent devotees—a resident of Calcutta named Sri S.N. Singh. He was the

owner of a hotel chain—a tall, slender man with a complexion as fair as milk. He invariably wore a safari suit, and—matching the color and fabric of his suit—he would wear a \*Gandhi cap\*. Swami affectionately referred to him as "Topi" (Cap). Whenever Swami called out to him, Topi would immediately sprint over to reach His presence; Swami held him in very high esteem. He had even constructed the "S.N. Singh Block" within the Vrindavan Hostel and dedicated it as an offering to Swami. On that particular day, I was seated toward the back. As Baba was making His way out, Sri Singh stepped forward, holding

a letter in his hand. Swami asked, "Yes, Topi? What is it?" He spoke softly to Swami: "Swami, my uncle has come; he seeks Your blessings." Swami asked, "Your uncle has come? Where is he?" He replied, "Swami, he is standing outside."

Swami said, "Oh, call him in! Call him in!"

S.N. Singh replied, "Swami, he can't walk."

Swami asked, "He cannot walk? What happened to him?"

Singh, "Swami, he is in a wheelchair."

Swami asked, "Where is he?"

Singh pointed out, "Swami, there he is."

We all turned around to look and saw a blue Ambassador car parked at the main gate of East Prasanthi. Seated in a wheelchair right next to the car's bonnet was a fair-complexioned man weighing at least 125 to 150 kilograms. Swami said, "Call him over; I shall speak with him." In those days, the ground there was covered in sand; the Sai Kulwant Hall had not yet been constructed. His attendant was straining with all his might to pull the wheelchair along. Swami observed that the poor, frail servant would not be able to manage it alone. Swami gestured to us children and said, "Go, help him." Three or four of us students immediately rose and, in a flurry of activity, pushed his chair all the way to the temple. I was seated right next to one of the temple pillars. Addressing the man seated in the wheelchair, Swami asked, "What happened to you?" The man simply folded his hands, gazed at Swami, and continued to smile. Swami said, "Come, let me speak with you; come on, get up!" Sh. S.N. Singh interjected, "Swami, he cannot walk." Swami

rebuked him, saying, "Silence! I know that. Get up—get up and walk!" The man then exerted every ounce of his strength, using his hands to attempt to stand; the sheer effort turned his entire face and hands crimson, yet he could not even budge from the wheelchair.

Suddenly, the playful, jovial expression on Swami's face shifted; he took two steps back and made a sweeping motion with his hand. \*Vibhuti\* (holy ash) materialized in Swami's palm. Swami applied the \*Vibhuti\* to the



man's forehead and knees, then firmly struck his knees twice with his hand. Swami uttered three words: "Get up and walk!" With great difficulty, the man managed to take one step; as he lifted his second foot and was on the verge of falling, Swami grasped his finger. Holding his finger, Swami—right there before all of us—walked the man who had been confined to a wheelchair for twenty-five years and had not walked at all during that time, leading him into the interview room. Five minutes later, Sh. Singh's uncle slowly emerged from the interview room, weeping continuously. As he approached, he repeatedly bowed and offered his salutations to Swami. Swami, in turn, bestowed upon him the \*Abhaya Hasta\*—the gesture of divine protection and fearlessness. Such is our Lord Baba, for whom nothing is impossible.

## Swami Is Also Jesus Christ

During the 1980s, people from America, Britain, France, Germany, and Italy would flock here in chartered flights during the Christmas season. At times, it felt as though you were not in Puttaparthi, but rather in Bethlehem—the very place where Jesus Christ was destined to be born. It was the month of December, and such vast numbers

of people were arriving—so many Westerners—that it truly felt to us as if we were living in a foreign land, rather than in Puttaparthi.

One day, we noticed a group that had arrived from Italy. Both the ladies and the gentlemen in the group were dressed entirely in white. The word "Italia" was inscribed on the backs of their scarves, leaving no doubt in our minds that they had indeed come from Italy.

## Profile of Shri Tribhuvan Sachdeva



**S**hri Tribhuvan Sachdeva hails from Indore and is an alumnus of the Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam. He completed his undergraduate and postgraduate studies in Commerce between 1979 and 1985. He was a member of the very first batch of the "University of God." Upon completing his studies, he served the university as a Lecturer in Commerce and Management Studies.

Shri Tribhuvan Sachdeva came into Swami's divine proximity at the age of 12 and comes from a family that is entirely dedicated to the Lord's mission. His father served as the State President of the SSSSO for Madhya Pradesh and Chhattisgarh for 25 years, while his mother was a **Bal Vikas** (Child Development) Guru and the In-charge of the State Spiritual Wing of the SSSSO. His wife currently serves as the State Head of the **Bal Vikas** and Youth Wings in Madhya Pradesh.

Shri Tribhuvan Sachdeva was blessed with the privilege of having countless interviews with the Lord; furthermore, during his student days, he served as a \*Bhajan\* singer at the Prasanthi Mandir. He also played lead roles in plays directed by the Lord Himself. Additionally, during his student life, he delivered lectures both within the hostel premises and in the divine presence of the Lord on various occasions.

Shri Tribhuvan Sachdeva is a renowned Income Tax lawyer and serves as a Visiting Faculty member at the IIM (Indian Institute of Management) and other colleges in Indore. He is currently a member of the Sri Sathya Sai Trust, Madhya Pradesh. He also serves as the Convener of the National Council for 100 Sathya Sai Schools across India and is the Executive Editor of **Sanatan Sarathi** (in Hindi). He is frequently invited to address students and members of the Sai Organization at Prasanthi Nilayam and across the globe.

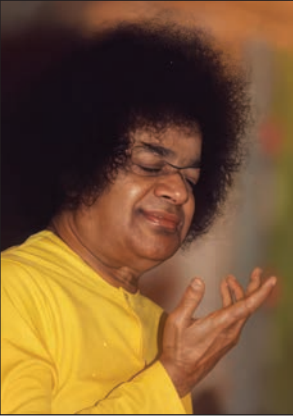
I recall that, precisely at 4:00 PM, Swami arrived and proceeded toward the ladies' side to grant \*Darshan\*. From a distance, we observed the entire group of Italian women seated there; although each of them held a letter in their hands, Swami walked past them at a slight distance and did not speak to a single one of them. As soon as Swami crossed over to the gentlemen's side, the very first group he encountered was that of the Italians. Swami asked their group leader, "Italy?" The man nodded his head in affirmation. Swami then said, "Go inside." The man, however, simply continued to nod his head. Swami repeated, "Go inside." But the man failed to grasp the meaning of the instruction and continued to nod his head blankly. Observing this, Swami moved on. Everyone around began to wonder aloud: "How do we convey to him that Swami is inviting him for an interview?"

Just then, Mr. Antonio Craxi (brother of former Italian Prime Minister Mr. Bettino Craxi) came running from behind and called out to them in Italian: "Go inside! Swami is calling you for an interview." The group felt a sudden jolt, as if struck by an electric current. By that time, Swami had already moved ahead; He signaled to the ladies, and both the men and women ran from that spot toward the veranda, where the students were also seated. Swami concluded the \*Darshan\* session, then walked along the men's side and came to a halt right in front of me—at the very first row, positioned between the men and the women. Swami looked at me with a smile, then approached an Italian lady nearby and took a letter from her hand. Swami spoke a few words to her in Italian, and suddenly, tears began to

stream from the lady's eyes. She fell at Swami's feet and began to plead with Him repeatedly. After speaking to her, Swami turned around and looked directly at me; I was so stunned that I felt as if I had been drained of all blood. \*Oh my goodness!\* I had just heard Swami speaking in Italian with my own ears. Only the previous night, I had been wondering aloud: "In which language will Swami converse with these people?" Swami walked right up to me, stood before me, and—looking directly at me—spoke in English: "Outwardly, I show that I know nothing; but inwardly, I know everything." I nodded my head in affirmation: "Yes, Lord, You are truly great. What You say is indeed the truth."

A short while later, Swami took them inside for the interview. When the interview concluded, everyone's faces were beaming with joy. They emerged smiling and beaming with such radiance that it seemed as though every single one of their wishes had been fulfilled. Once they were outside, I approached Sh. Antonio Craxi and said, "Sir, something extraordinary happened today: I actually heard Swami speaking in Italian!" He replied, "What is so remarkable about that? Swami often converses with our family in Italian as well." I then asked him, "What did Swami say to that lady?" Sh. Craxi went over to speak with the lady, and later, he informed us that she had a young daughter who was back in Italy. Prior to this day, this lady had never heard anything about Sathya Sai Baba. It was the Christmas season, and everyone was preparing to sing carols at the church. Every day, she would visit the church to light a candle and offer prayers for her daughter, who

was suffering from blood cancer. When she learned that the entire group of carolers was planning to travel to India for Christmas, she asked, "Why are you all going to India during the Christmas season?" A lady in the group replied, "Don't you know that Jesus Christ has incarnated in India in the form of Sathya



Sai Baba? We are going to seek His \*darshan\* (holy sight); would you like to come along?" She felt that if Jesus Christ had indeed returned—and given that so many people were making the journey—it presented a wonderful opportunity; she

decided she, too, would go to seek Baba's blessings. She reasoned that if He truly was Jesus Christ, He would surely do something to help her daughter. She arrived carrying a letter written in Italian and sat waiting in Swami's presence. Swami approached her and asked, "Amma, how is your daughter doing now? Do not worry; Swami will cure her." Swami spoke these words in Italian, and upon hearing them, the lady broke down in tears, weeping uncontrollably. Through this divine play (\*Leela\*), Swami revealed a profound truth to us: outwardly, He may appear as though He knows nothing, but inwardly, He is the Omniscient One—the Knower of All.

Speaking of languages, another beautiful incident comes to mind. During an interview session, the room was

filled entirely with Americans; there was not a single person present who knew any language other than English. They were all English speakers. Swami entered the room and took His seat in His chair. Swami then asked, "Em samacharam?"—"What is the news?" Swami had begun speaking in Telugu, and quite suddenly, He launched into a discourse delivered in fluent, unceasing Telugu. Everyone in the room simply stared at Swami—then at one another—utterly bewildered, unable to comprehend why Swami was speaking in Telugu. Did Swami not realize that English was the only language they understood? Suddenly, Swami paused and said, "I completely forgot that all of you know English; here I am, speaking to you in Telugu. However, it is my wish to deliver my address in Telugu today—I want to give today's discourse in Telugu itself. Who will translate?" Everyone began looking at one another, wondering who would step forward to translate. Then, quite unexpectedly, a 16-year-old boy who had come from America caught Swami's eye. Swami looked at him and said, "You translate." The boy replied, "I do not know Telugu." Swami insisted, "No, you are the one who will translate." At that moment, Swami began speaking in fluent Telugu, and simultaneously, the boy began translating Swami's discourse into English. Everyone was left spellbound—first by Swami speaking in Telugu, and then by the boy speaking in English.

They simply could not comprehend how this child—who had come to India from the USA for the very first time—knew Telugu well enough to translate the Swami's discourse into absolutely flawless English.



*Late Sh. Naubat Singh*

## **Shri Naresh Tomar of BMR Industries, Pilkhuwa.** **Grief over the loss of father**

**Shri Naresh Tomar's father, Shri Naubat Singh Ji** passed away on March 21st.

Shri Naresh Tomar serves as the General Secretary of the Federation of Indian Small Scale Associations (Delhi) and is the outgoing District President of the Bharatiya Janata Party (Hapur). Upon the demise of Sh. Naubat Singh Ji, numerous dignitaries from both the political sphere and the Battery Industry expressed their condolences and paid tribute.

The Battery Directory family prays to the Almighty to grant the departed soul a place at His feet and to bestow upon the family the strength to bear this profound loss. □

When the discourse concluded, the Swami took each person individually into the inner interview room for a private audience. As everyone emerged, they immediately began congratulating the boy. They offered him profuse congratulations, exclaiming, "Wow! That was magnificent! What a job you did translating the Swami's discourse today! The Swami was speaking in Telugu on his end, while you were speaking fluently in English on yours!" Everyone kept congratulating him repeatedly.

The boy, looking utterly astonished, replied, "The Swami was speaking in Telugu, and I was speaking in English? Wait—listen to me! The Swami was actually speaking in English; it was just that his accent was Indian. I was merely

repeating what the Swami said—in English—but with an American accent! Yet you people are claiming that the Swami was speaking in Telugu?"

It was only then that the entire group realized the truth: out of the thirty of them, twenty-nine had heard the Swami speaking in Telugu. But the one child—whom the Swami had specifically instructed to translate—had heard him speaking in English.

Such is our Sai Baba; such is our God. \*Hari Anant, Hari Katha Ananta\*—God is infinite, and the stories of God are infinite. There is nothing He cannot do. The Swami has always maintained: "There is only one language—the language of Love." There is indeed only one true language, and that is the language of Love. □



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