

Registration. No. DL (DS)-52/MP/2025-26-27, RNI No. 43092/85
Uniting Small Scale Battery Industry on Firm Footing since 1985

BATTERY DIRECTORY

& YEAR BOOK

FORTNIGHTLY ISSUE

1-15 September 2025

(Vol.40, No.17 Published on 24.09.2025)



Contents on
page no. **10**

बैटरी डायरेक्टरी एंड ईयर बुक

Batteries for Motive Power

MICROTEX
Since 1969



Become an authorized Microtex dealer!

Call us now!



or WhatsApp

+91 9686 448899

www.microtex.com

or email us now...!



Global range available in BS & DIN



Contents

White PE Separator with Low Carbon and Oil Content

Advantages-

- Suppression of antimony poisoning
- Lowered battery maintenance
- Less water loss
- Less power for recharge
- Longer battery life
- Less grid corrosion
- Allows use of antimony in positive grids
- Enhances deep-cycle performance
- More versatility for manufacturing

CellForce®



Properties

Backweb Thickness (μm) - 400
Electrical Resistance (mΩcm²) - 210
Volume Porosity (%) - 55
Total Oil Content (%) - 17
Elongation (CMD) (%) - 175

UHMW PE Separators

Ultra High Molecular Weight Polyethylene (UHMWPE) Automotive	Ultra High Molecular Weight Polyethylene (UHMWPE) Industrial	Additive and Ultra High Molecular Weight Polyethylene (UHMWPE)
DuroForce™ Ultra	DuroForce™ CL	DuroForce™ HD
Key Applications • Automotive SLI • Trucks • Buses • Motorcycles • Marine	Key Applications • Forklifts • Material handling equipment • Locomotive • Mining	Key Deep Cycle Applications • Golf car • Aerial work platforms • Renewable energy • Backup power • Floor machine • RV • Marine

Rubber Separators

Rubber Separator	Rubber Separator
Ace-Sil®	Flex-Sil®
Key Applications • UPS • Nuclear power plants • Military • Reserve power • Emergency backup power • Telecommunications • Inverter power • Specialty – mining and railroad	Key Applications • Golf car • Aerial work platforms • Renewable energy • Backup power • Floor machine • Solar power • RV • Marine

Distribution Partner for INDIA



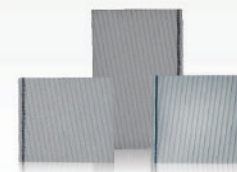
15-1-180/5, Old Feel Khanna, Hyderabad-500012 (Telangana)
email: etashabatteries@gmail.com, microporousindia@gmail.com
Mob.: 09848014388



An ISO 9001:2015 Company

INTEX® SEPARATOR

INDUSTRIAL TUBULAR
In Both Thickness 1.6mm & 1.25mm



AUTOMOTIVE
1mm, 1.2mm & 1.1mm Thickness

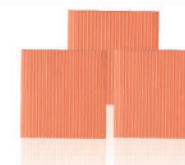


TUBULAR BAG SIZE
5mm, 6mm, 6.2mm, 7.3mm, 8mm

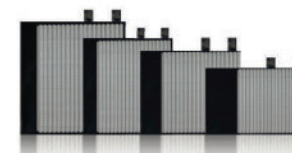
INTEX P.V.C. SEPARATOR



E-RICKSHAW
Only One Manufacture Of
P.V.C. E-RICKSHAW SEPARATOR IN INDIA



INTEX PEX®
TUBULAR PLATE



BATTERY P.P CONTAINER



INDIA HEAD SALES
+91 8176008008, 7275008008

HARYANA & GUJARAT
+91 9670008008

UP WESTERN & DELHI
+91 7572008008

CUSTOMER CARE NO.
+91 7317008008, 7310008008

COMPANY NO.
+91 9839141510, 9984141510

email: intexgroup.2012@gmail.com
intex.2010@rediffmail.com

60 Years of Helping Our Customers Build the
World's Best Batteries



MAC
ENGINEERING & EQUIPMENT
1965-2025

Pasters

Automotive, Industrial, and Small-plate

Flash Dry Ovens

Use 20-25% less energy than others

Stackers

Stacking up to 55 meters per minute

Curing Chambers

Custom sized 4 rack to 160+ racks

Cast On Strap

Over 1000 SLI batteries per shift

OEM

Spare parts available



Women in the
Global Battery Industry
SUSTAINING SPONSOR



+ 1 269-925-3295

maceng@mac-eng.com

www.mac-eng.com

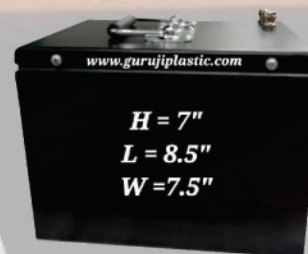
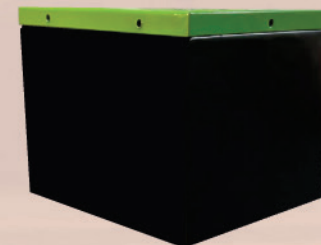
MAC Engineering
and Equipment

MAC Engineering
and Equipment Co.,



Guru Ji Plastic

LITHIUM BATTERY CONTAINERS & ACCESSORIES



Epoxy
Sheet



Handle



Sb 50
Connector



Filament
Tape



Spring
Handle



PG Gland
7 or 9



Air
Vent



Bur Bar



Ess
Connector

M-293, Sector-1, Bawana Industrial Area, Delhi-110039

Mob.: 9811184854, 8076276996, 98186 91549

Email: gurujiplastic@yahoo.in, Website: www.gurujiplastic.com



Heartiest Congratulations to the Honorable Prime Minister, Shri Narendra Modi on his 75th Birthday

On behalf of the country's Lead Battery Manufacturers, we express our heartfelt gratitude for your leadership and for reducing the GST on Lead Batteries from 28% to 18%. This will provide a lifeline to small-scale manufacturers/businesses in India.

We respectfully request you to reconsider the provision (see Gazette of India dated July 28, 2025, published on pages 22-23 of this issue) requiring e-rickshaws and e-carts to be fitted with only lithium-ion battery packs from April 1, 2027. Such a provision will adversely impact the livelihoods of thousands of people working in the lead battery industry and also impact the Indian economy.

We believe that a policy should be developed that supports both lithium-ion and lead battery technologies. Only such a policy will ensure continued innovation and employment for millions of people. We sincerely hope that our concerns will be addressed and that all battery manufacturers in India will have the opportunity for a sustainable future.

With best wishes

Federation of Indian Small Scale Battery Associations



**Shri Harshpal
Singh Sawney**
President



**Shri Naresh
Tomer**
General Secretary
Mob. 8057593000

Uniting Indian Small Scale Battery Industries since 1985

BATTERY DIRECTORY & YEAR BOOK

presents

ONLINE

BATTERY DIRECTORY

NOW YOU CAN SEE LIST OF ALL

MANUFACTURERS

DISTRIBUTORS

EXPORTERS

IMPORTERS

ISO FIRMS

DEALERS

EMAILS

at one
click!!!



Annual

Hard Copy : Rs. 650/-

Online Directory : Rs. 1000/- Both Editions : Rs. 1650/-

You may deposit amount in any of the following account:-

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-110 093
PhonePe / Google Pay / Paytm A/c	CHANDRA MOHAN - Mobile No. 9810268067		

Stay Updated All The Time on
www.onlinebatterydirectory.com



बैटरी डायरेक्टरी एंड ईयर बुक

510, जनता फ्लेड्स, जी.टी.बी. एन्क्लेव, दिल्ली-110093

फोन 011-22593952

मोबाइल: 9810268067

E-mail: battdir@gmail.com

www.batterydirectory.co.in | onlinebatterydirectory.com

Battery Directory & Year Book (Vol.40 No.17)

1-15 September 2025 (Published on 24.09.2025)

Contents

8



New Executive Committee of Gujarat Small Scale Battery Association

The 11th AGM of the Gujarat Small Scale Battery Association

Concluded in Goa

**Pradeep Suji Elected as President,
Naresh Antala Vice President**

Several New Members were Appointed to the Committee

The 11th AGM of the Gujarat Small Scale Battery Association was held in Goa on September 15th. This was the first time that the association, established in 2009, had a change in its office bearers. Previously, the previous office bearers were unanimously appointed each year. The association had never held elections. **Shri Muljibhai Pansara of Goldstar Power Ltd., Hapa**, had been unanimously elected president, and the committee members remained unchanged. However, due to Shri Muljibhai Pansara's busy schedule at the battery smelting unit in Uganda, and Shri Vishal Pansara and Shri Vasantbhai of Rajkot's other commitments and their inability to devote time to the association, changes were made for the first time. These changes were also unanimous, eliminating the need for elections.



Lighting of lamps by Shri Muljibhai Pansara, Shri Ramesh Sethi and Shri Pradeep Suji

**Strength to Face
Challenges**

Welcoming the members present at the general meeting, the association's general secretary, **Shri Vishnubhai**, said, "It is a matter of great pride and pleasure for me to welcome you all to

Cont. on page no.: 12 →

Battery Directory & Year Book (Vol.40 No.17)

1-15 September 2025 (Published on 24.09.2025)

9

Contents

Knowledge without devotion to God produces hatred.

—Bhagwan Sh. Sathya Sai Baba



BATTERY DIRECTORY & YEAR BOOK

510, Janta Flats, G.T.B. Enclave, Delhi-110093

Tel.: 011 - 22593952, Mobile : 9810268067

email : battdir@gmail.com

Website: www.batterydirectory.co.in

www.onlinebatterydirectory.com

Editor: **Chandra Mohan**

Assistant Editor:

Shekhar Verma

Sub-Editor: **Ekta Verma**

Editorial Advisers:

Dr. R.C. Sharma, Arvind Mohan

Advt. Manager:

Anuradha: 9910699535

Registered with Registrar of Newspapers for India Regd. No. R.N.I. 43092/85

Vol. 40 No. 17, 1-15 September 2025 (Published on 24.09.2025)

Price: 5/-

Pages: 52

(Annual Subs. ₹ 650/-)

Heartiest Congratulations to the Honorable Prime Minister,
Shri Narendra Modi on his 75th Birthday 7

ASSOCIATION NEWS

11th AGM of the Gujarat Small Scale Battery Association Concluded in Goa
Pradeep Suji Elected as President, Naresh Antala Vice President 9

Strength to Face Challenges – **Sh. Vishnubhai Shah** 9

Lead Batteries will Expand – **Sh. RVGK Sarma** 12

Memento for Shri Muljibhai 12

Pledge to Serve the Battery Community – **Sh. Pradeep Suji** 13

New Executive Committee of the Association 13

Speaker at the AGM



Sh. Vijay Pareek



Sh. RVGK Sarma



Sh. Biman Gandhi

The speakers' addresses are being published in upcoming issues.

Kota Battery Association's Annual General Meeting Concluded 16

**GAZETTE OF INDIA DATED 28TH JULY 2025 FOR FITTING
ONLY LITHIUM-ION BATTERY PACKS IN E-RICKSHAWS AND
E-CARTS FROM 1ST APRIL 2027** 22

NEWS

Relief as GST rate on lead batteries reduced

from 28% to 18% – **Sh. Umesh Chandra Gupta** 17

Mission Batteries opens new Branch Office in Mansa, Punjab 18

Asia's Largest Mega Project for Lithium Ion Battery Manufacturing 19

Electric Scooter Catches fire 20

Prime Minister Inaugurates Maruti-Suzuki e-Vitara and Lithium Battery Plant 21

Mapping Uttar Pradesh's EV Charging Landscape 24

Exide Technologies to Establish BESS Project in Italy 25

Is lithium becoming a hurdle for the EV segment? 25

UPERC Approves Procurement of 1,500 MW Battery Energy Storage 26

Electric scooter catches fire in Mauranipur 29

A house caught fire while charging an e-scooter 29

Do not Promote Chinese Batteries 30

An electric scooter on charge exploded, setting off a massive fire in home 30

MAC Engineering Promotes Bret Stern and Nick Dailey 31

Exide Invests Rs. 100 crore to promote Lithium-Ion Batteries 36

TENDERS FOR BATTERY INDUSTRY 32

TECHNICAL ARTICLE

Lead Smelting Plant: Process, Technology, Equipment, and Recycling 27

Nano-Sized Lead Oxide [PbO] for

Superior Performance of Lead-Acid Battery – **Sh. C.S. Ramanathan** 37

Benefits of becoming Subscriber of Battery Directory-2025 44

Benefits of advertising in Battery Directory 45

SAI SHARNAGATI

Spiritual Significance of Loving Service 46

Inspiring Thoughts – **Sh. Ajay Gupta** 26

TRIBUTE

Dev Kumar Patel is no more 50

Advertiser's Index

Etasha Batteries Pvt. Ltd. 2

Guru Ji Plastic 5

Intex Separator 3

MAC Engineering & Equipment Co., Inc. 4

Manish Enterprises 51

Microtex Energy (P) Limited 1

Swarajya Industries 52



Shri Pradeep Suji
President



Shri Navneet Gadiya
Vice President



Shri Naresh Antala
Vice President



Shri Vishnubhai Shah
General Secretary

this general meeting today." We have all gathered together in a beautiful place like Goa; this opportunity will give us new energy and enthusiasm.

Journeys are easier when we have close companions, and work is easier when trust is deep.

The purpose of this meeting is not only to review past work, but also to formulate new plans and strategies for the future. When we all come together, we not only strengthen our businesses but also gain the strength to face the major changes and challenges facing the world. This collaboration propels us towards a better industry, good business for all, and prosperity for the country and the world. The battery industry is crucial for today's world. This industry is the foundation of energy, technology, and progress, and it will hold the key to growth and a sustainable future in the future.

If we move forward together, new paths will emerge; every difficulty will become easier, every destination will come closer.

Lead Batteries will Expand

Battery expert Shri RVGK Sarma assured the general meeting that lithium batteries pose a significant challenge, but ultimately, lead batteries will not

only remain in the market but will also expand.

Shri Vijay Pareek of Gravita India, Jaipur, addressed lead recycling methods in his address. His address is being published in an upcoming issue.

Memento for Shri Muljibhai

Shri Muljibhai Pansara, president for the past 14 years, was given a warm farewell with a memento. Shri Pansara said on this occasion, "I now spend most of my time in the Uganda factory and rarely visit India, but whenever the association needs me, I will remain with the association wholeheartedly. The association should progress and be a tool for business growth, but politics should not enter the association."

To fill Shri Pansara's place in association, the association appointed his eldest son, Shri Navneet Pansara, as a committee member. He has been managing the company as the Managing Director of Goldstar Power Ltd. for a long time.

The Association's Treasurer, Shri Pratik Shah, presented the previous year's accounts.



Shri Navneet
Pansara



Shri Muljibhai was honoured with a memento

Pledge to Serve the Battery Community

Newly elected President, **Shri Pradeep Suji**, stated that he is proud to be the President of an Association founded by a social worker like **Shri Ramesh Sethi** and chaired for many years by a respected figure in the entire Battery Community like Shri Muljibhai Pansara. He will strive to serve the Battery Community with everyone's support.

New Executive Committee of the Association

The new executive committee of the Association, approved at the General Meeting on September 15th, is as follows:

Pradeep Suji (President):
9824042390 (S.K. Metal Industries, Rajkot),

Navneet Gadia (Vice President):
9825015232 (Popular (Autotech) Batteries Pvt. Ltd., Ahmedabad),

Naresh Antala (Vice President):
9099920156 (Solance Industries),

Vishnubhai Shah (Secretary):
9824058771 (Mahesh Metalloys Pvt. Ltd., Ahmedabad)



Welcome and hospitality to Shri Muljibhai Pansara



Shri Ramesh Sethi welcoming Shri Arvind Mohan, Treasurer of the Federation

Nirdesh Majithia (Joint Sec.):
9898959528 (Auto Batt Product, Ahmedabad),

Pratik Shah (Treasurer):
9825039266 (Polar Batteries, Ahmedabad),

Tarakhbhai Parekh (Internal Auditor): 9825648649, Vinay Industries (Vadodra),

Founder Member:

Rameshbhai Sethi: 9825251131, (Polar Industries)

Muljibhai Pansara: 9426203677 (Goldstar Power Ltd., Hapa),

Committee Members:

Kamleshbhai Patel: 9974466339 (Amba Enterprise)



Jayantibhai Patel: 9825275967
(Eagle Battery)

Kanhaya Lal: 9825896955
(Madhav Battery, Surat),

Chetanbhai Asawa: 9824038181
(Keyur Impex)

Lalitbhai Patel: 9879365703
(Akshar Technoplast, Ahmedabad),

Sandeep Rajpara : 9925026457
(Solance Industries),

Piyushbhai Patel: 9825145339
(Jayram Battery)

Deepeshbhai Patel: 9824369566
(Suraj Battery, Deesa)

Jabirbhai Gajivala: 9974144432
(Fine Power System)

Rajubhai Balvani: 9879223399
(Appolo Battery)

Dinesh Patel (Bhawani Battery,
Gandhidham),

Rameshbhai Thoriya: 9328198995
(Gokul Auto Industries, Taragadhi)

Navneet Pansara: 9427207656
(Goldstar Power Ltd.),

Girish Mehta : 9825669293
(Rolta Industries, Veraval)

Faruqbhai Musani: 9426205245
(Harsan Enterprise)



MAC Engineering Promotes Bret Stern and Nick Dailey

MAC Engineering & Equipment, a renowned US-based battery machinery manufacturer, has announced two key promotions within the company: Bret Stern as Vice President of Sales Operations and Program Management, and Nick Dailey as Senior Marketing and Visual Communications Manager. These appointments were announced on September 10.



Bret Stern




Nick Dailey

Stern began his career as an automotive technician and joined Mac in 2022 as Sales Director for the US and Canada. The company stated that he will continue to serve as a bridge between sales, customer support, and other departments and customers. Additionally, he will manage Mac's portfolio of customer projects and develop and implement program strategies.

Internally, Stern will focus on improving processes that help all Mac team members improve efficiency and effectiveness.

Nick Dailey, previously the Engineering and Marketing Project Coordinator, will drive the expansion of Mac's brand awareness and revenue in his new position.

Dailey, who will join MAC in 2023, has demonstrated his talent in overseeing campaign creation and execution across digital and traditional channels, collaborating with other departments such as sales, and monitoring key performance indicators to ensure return on investment, the company said. 

"Do not ever think that you and God are separate. Think always, "God is with me; He is inside me; He is around me. All there is, Is God. I myself am God. I am the Infinite, the Eternal. I am not two; I am one, only one. There is no one else besides me. I and God are one and the same." To realize this Unity, the first step is to develop Self-confidence. It comes when you realize that God is not outside of you."



Kota Battery Association's Annual General Meeting Concluded

Founder Chairman Ravi Nakra sheds light on Lithium Batteries

The Kota Battery Association's Annual General Meeting and get-together was held at the Sunshine Pool Resort on September 14th. On this occasion, the association's founding president, **Sh. Ravi Nakra**, provided detailed information about lithium batteries and their technology. **Sh. Suresh Anand (Neetu)**, the Battery Association's General Secretary and newly elected office bearer of the Cricket District Association, discussed in detail the utility and importance of lithium and solar batteries in India and abroad.

Kota Battery Association President Sh. Salim Abbasi informed the audience about the challenges faced in the battery business and their solutions, as well as the latest technology and the utility of batteries. A lucky draw was also organized by the organization on this occasion.

Battery businessmen from across Kota participated enthusiastically in the meeting and shared their ideas. Approximately 125 businessmen attended the program. Rajkumar Gera, Surendra Kumar, Jitendra Singh, Mukeem Qadri, Balraj Ji, Rajendra Pal, Jamuna Ustad, Sanjay Nakra, Khemraj Suman, Aziz Bhai, Baldev Gera, and others were also honored at the gathering. The organization's president, Salim Abbasi, thanked all the honored members present for making the program a success. A reception was also organized after the program.

Love lives by giving and forgiving.
Ego lives by receiving and forgetting.

– Bhagawan Sri Sathya Sai Baba



Relief as GST rate on lead batteries reduced from 28% to 18%

But many Problems Remains

– **Umesh Chandra Gupta (Khunkhun ji)** –
RRG Energies Pvt. Ltd., Lucknow

It's a good thing that the government has reduced the GST on lead batteries from 28% to 18%. This will provide significant relief to the lead battery industry. If large battery companies reduce the price of their batteries by 7-8% in addition to the 10% GST, the problems of small battery entrepreneurs will increase. The government should monitor whether large battery companies have reduced their rates.

Most small battery units in cities like Lucknow and Kanpur have closed. Production in the few units that are still operating has also decreased significantly. If the government doesn't address their problems, the remaining units will also face crisis.

Solar panel manufacturers sell batteries at 5% GST. You purchased raw materials at 18% GST and sold finished batteries at 5% GST. Reclaiming the excess GST you have accumulated will be a major challenge. 90% of the GST will be refunded, while 10% will be subject to audit. You will get your 10% GST refund only after the audit is completed. It will be difficult to convince the auditor whether they sold batteries alone or batteries with solar systems. Solar panel manufacturers will also face difficulty in getting GST refunds. Getting GST refunds is also a complicated process.

One Tax, Another Lithium

We and some of our known battery entrepreneurs expanded our factories. We feel we have lost money. We hadn't even considered lithium.

Tax Rebates End in Himachal, But Electricity Is Cheap

Now the tax rebates given to entrepreneurs in Himachal Pradesh have ended, but they are getting cheap electricity. But even if they get cheap electricity, consider that batteries are not sold there. They will sell batteries only in Uttar Pradesh and other states. Companies across India depend on Uttar Pradesh. Uttar Pradesh and Bihar are big markets.

At present, the market situation is unclear. Those who have no other business besides batteries are more fearful. We cannot fight big companies. Big companies both lend money and have the power to recover it. No one should assume that someone will simply steal their money and run away. The future of those who have taken their distributorships is also uncertain; it is very precarious.



In the photo from right to left - Sh. Poonam Chand Kachhawah, Sh. Ranveer Punga, Sh. Ramlal Kachhawah, Sh. Narendra Kumar, Sh. Manish Kumar, Sh. Sukhpal Singh, Sh. Rajkumar Jindal

Mission Batteries opens new Branch Office in Mansa, Punjab

Balaji Storage Batteries Ltd. inaugurated its new branch office (C&F Depot) in Mansa district, Punjab, on September 2nd.

Sh. Ramlal Kachhawa, Chairman and Managing Director, Balaji Storage Batteries Limited, inaugurated the office. **Sh. Rajkumar Jindal** was the special guest at the event.

On this occasion, the company's Marketing Head, **Sh. Ranveer Punga**, provided information about the company and its products. Addressing the distributors and dealers present, he said that together they will take the company to new heights. Narendra Kumar and Manish Kumar of C&F Raj Enterprises stated that they will ensure timely availability of the company's products and provide excellent service. On this occasion, the company's Marketing Director, Poonam Chand Kachhawa, stated that the opening of the new branch will further strengthen Mission Batteries' services in Punjab and provide better customer service. Sukhpal Singh, Regional Sales Manager, North India, thanked all the guests and the distributors and dealers present.

There is only one race, the race of humanity.
There is only one religion, the religion of love.
There is only one language, the language of the heart.

Asia's Largest Mega Project for Lithium Ion Battery Manufacturing will be started

Japanese company ATL will invest over ₹3,000 crore to manufacture lithium-ion batteries at IMT Sohna in Haryana. This is considered Asia's largest lithium battery manufacturing project. The launch of this project will provide direct employment to over 5,000 youth. The establishment of a lithium-ion battery manufacturing unit using cutting-edge technology will further strengthen Haryana's industrial profile.



Union Minister of Railways, Information and Broadcasting, and Electronics and Information Technology, Ashwini Vaishnav, inaugurated this mega project of ATL Battery Technology (India) Pvt. Ltd. at IMT Sohna on Thursday. Present on the occasion were Haryana's Industry and Commerce Minister, Rao Narbir Singh, Saito and Shashida from the TDK Group, Pawan Chaudhary, Advisor to the Chief Minister on Foreign Cooperation, Pankaj Mahendru from ICWA, and BJP District President Surendra Singh Pintu.

Union Minister Ashwini Vaishnav said that just as Japan relies on quality in its products, Haryana will now also manufacture quality-compliant products. In modern India, all electronics-related goods are being manufactured, directly benefiting the country's consumers and youth in the form of employment. Minister Rao Narbir Singh said that this day will be etched in golden letters in Haryana's industrial history. Under the visionary leadership of Prime Minister Narendra Modi and Chief Minister Nayab Singh Saini, Haryana has become synonymous with self-reliance, innovation, and global collaboration.

He said that ATL Group (TDK Corporation, Japan) has taken a historic initiative by establishing a state-of-the-art lithium-ion battery manufacturing unit in Haryana. This reflects the trust of Haryana and Japan in the industrial world. To advance the state's industrial sector, 10 new industrial cities will soon be developed in the state. The first phase of this project will involve an investment of over ₹3,000 crore and provide direct employment to over 5,000 youth. In 2020, the company also invested over ₹1,000 crore in Bawal, creating over 1,500 jobs.

Electric Scooter Catches fire

News has emerged as another worrying incident for the rapidly growing electric two-wheeler market in India. A Bajaj Chetak electric scooter recently caught fire in Maharashtra. This incident has renewed concerns about the safety of electric vehicles (EVs), even as the adoption of electric vehicles is rapidly increasing across the country. The scooter suddenly caught fire while in use. Fortunately, no casualties have been reported, though the incident has reignited debate about battery safety standards and quality testing in the EV sector. Eyewitnesses claimed that the fire spread rapidly and the vehicle was completely destroyed within a short time. □



Prime Minister Inaugurates Maruti-Suzuki e-Vitara and Lithium Battery Plant

Prim Minister Narendra Modi inaugurated Maruti-Suzuki's first battery electric vehicle (BEV), the "e-Vitara," and lithium-ion battery production plant in Hansalpur, Ahmedabad district, on August 26, describing the India-Japan partnership as "made for each other."



Addressing the gathering, the Prime Minister said that electric vehicles bearing the Made in India label and traveling to over 100 countries would be a matter of great pride. He emphasized that regardless of foreign investment, when the hard work is Indian and production takes place on Indian soil, it is truly "swadeshi."

At the Suzuki Motor Plant, the Prime Minister flagged off the e-Vitara, symbolizing India's growing leadership in green mobility under the Make in India and Atmanirbhar Bharat initiatives. He also inaugurated the TDSG lithium-ion battery plant, which will locally produce hybrid battery electrodes. Nearly 80% of the batteries manufactured here will be made in India, reducing dependence on imports.

Prime Minister Modi said that the inauguration, coinciding with the Ganesh festival, will mark a new chapter in India's Make in India journey. He said that thirteen years after laying its foundation stone, the Hansalpur plant has entered its "adolescence" and is ready to take off with renewed energy.

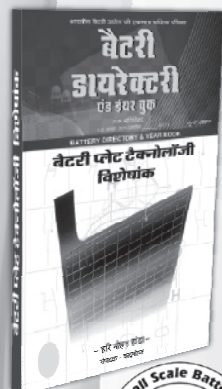
Recalling the contribution of the late Osamu Suzuki in strengthening India-Japan relations, the Prime Minister said that Maruti-Suzuki has become a brand ambassador of Make in India by exporting cars even to Japan. With the export of electric vehicles starting today, this partnership will reach new heights.

Highlighting the advantages of India's democracy, demographics, and skilled workforce, the Prime Minister said that every partner investing in India is part of a "win-win" situation. He also recalled how Maruti-Suzuki fast-tracked the development of a hybrid ambulance prototype in line with the ₹11,000 crore PM e-Drive scheme. □

लैड रिसाईक्लर्स, बैटरी व बैटरी प्लेट निर्माताओं के लिए उपयोगी पुस्तक

बैटरी प्लेट टेक्नालॉजी

विशेषांक



विषय सूची:

लैड एवं लैड एलॉयज | लैड ऑक्साईड्स |
डिस्टिल्ड वाटर एवं सल्फ्यूरिक एसिड |
पेस्ट्स एवं पेस्ट मिक्सिंग | प्लेट फॉर्मेशन ...

विस्तृत अध्यायवार सूची के लिए विजिट करें

http://www.batterydirectory.co.in/Battery_Plate_Tech.php

पुस्तक की विषय सूची डायरेक्टरी में पृष्ठ 547-551 पर भी छपी है
मूल्य ₹ 1000/- पृष्ठ 340

बैटरी डायरेक्टरी एंड ईयर बुक

510, जनता फ्लेट्स, जी.टी.बी. एन्क्लेव, दिल्ली-110093
फोन 011-22593952

मोबाइल: 9810268067, सुरेखा : 9971150801

E-mail: battdir@gmail.com

Website: www.batterydirectory.co.in





भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-29072025-265053
CG-DL-E-29072025-265053

असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (i)
PART II—Section 3—Sub-section (i)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 456] नई दिल्ली, सोमवार, जुलाई 28, 2025/श्रावण 6, 1947
No. 456] NEW DELHI, MONDAY, JULY 28, 2025/SHRAVANA 6, 1947

MINISTRY OF ROAD TRANSPORT AND HIGHWAYS NOTIFICATION

New Delhi, the 22nd July, 2025

G.S.R. 499(E).—The following draft of certain rules further to amend the Central Motor Vehicles Rules, 1989, which the Central Government proposes to make in exercise of the powers conferred by section 110 of the Motor Vehicles Act, 1988 (59 of 1988), is hereby published as required by sub-section (1) of section 212 of the said Act, for information of all persons likely to be affected thereby; and notice is hereby given that the said draft rules will be taken into consideration after the expiry of thirty days from the date on which the copies of this notification as published in the Gazette of India, are made available to the public;

The objections or suggestions which may be received from any person in respect of the said draft rules before the expiry of the aforesaid period will be considered by the Central Government.

Objections and suggestions to these draft rules, if any, may be sent to the Additional Secretary (MVL, Transport & Road Safety), Ministry of Road Transport and Highways, Transport Bhawan, Parliament Street, New Delhi-110 001 or on the email: comments-morth@gov.in;

Draft Rules

- Short title and commencement. — (1) these rules may be called as the Central Motor Vehicles (..... Amendment) Rules, 2025.
- Save as otherwise provided in these rules, they shall come into force on the date of their final publication in the Official Gazette.
- In the Central Motor Vehicles Rules, 1989, (herein after referred as the said rules), in rule 62, in sub-rule (1), in item (ba), for the words “three years”, the words “One year” shall be substituted.
- In the said rules, in rule 62, after sub-rule (1), in the existing proviso after the words “fitness certificate” the words “of all transport vehicles including e-rickshaws and e-carts” shall be inserted.
- In the said rules, in rule 62, after sub-rule (1), after the existing proviso, in the table, after item (20), the following item (21) shall be inserted namely:-

1	2	3	4	5	6	7	8
(21)	Maximum speed for E-rickshaw and E-cart	No	No	No	No	Yes	The vehicle shall be driven in unladen condition (with full charge and at full accelerator position) on straight or flat road and when the vehicle attains full speed, the maximum speed shall be calculated by measuring time taken to travel fixed distance (say 50 meters). The maximum speed of the vehicle shall not be more than 25 km/h.

- On and after 1st April 2026, in the said rules, in rule 100, in sub-rule (1), after the words “every motor vehicle”, the words “including E-Rickshaw and E-cart” shall be inserted.
- On and after 1st April 2026, in the said rules, in rule 101, in sub-rule (2), item (iii) shall be substituted with the following namely:-
“(iii) AIS-045, as amended from time to time, in the case of Quadricycles, E-rickshaw and E-carts”
- On and after 1st April 2026, in the said rules, in rule 117, in sub-rule (1), the words “or an E-rickshaw or E-cart or a vehicle” shall be omitted.
- On and after 1st April 2026, in the said rules, in rule 117, after sub-rule (1), in the third proviso after the words “thirty kilometers per hour” the words “excluding E-rickshaw or E-cart” shall be inserted.
- In the said rules, after rule 125-Q, the following rule shall be inserted namely:-

“125-R. Specific requirements for E-Rickshaw and E-carts. - On and after 1st April 2026, all manufacturers of E-rickshaw and E-cart, as part of the type approval procedure, shall undergo an audit of their manufacturing facilities and process, to establish quality control. The audit shall be done by the test agency, undertaking the type approval process of E-rickshaw and E-cart.

Provided that for a manufacturer possessing a valid IATF certification or equivalent, the scope of audit shall be limited to document verification only.

(2) All e-rickshaw/e-carts manufactured on or after 1st April, 2027, shall be fitted with lithium ion battery packs and performance requirement of the same shall be as per AIS-156 (Part 1) and (Part 2), as amended from time to time.

[F. No. RT-11036/109/2024-MVL]

MAHMOOD AHMED, Addl. Secy.

Note: The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, sub-section(i) vide G.S.R. 590(E), dated the 2nd June, 1989 and lastly amended vide G.S.R.(E) dated the

Mapping Uttar Pradesh's EV Charging Landscape

India is leading the e-mobility transition with 5.67 million registered EVs (e-vehicles, MoRTH, 2025). EV charging infrastructure has reached 26,367 public stations by April 2025, with over 50% of these installed in calendar year 2024 alone, indicating rapid expansion. However, Uttar Pradesh leads with 0.66 million



EVs on the road—more than any other state—with a 4.34% share of EVs in total vehicles sold. This growth is primarily driven by e-rickshaws, as well as the state's supportive EV manufacturing base and policy framework. However, the backbone of this transformation tells a different story. According to the India E-Mobility Index (IMEI), the Bureau of Energy Efficiency (BEE), and NITI Aayog, Uttar Pradesh currently has 2,099 charging stations and 2,376 chargers. On the ground, this position puts the state ahead of many peer states, but behind these numbers lies a story of uneven distribution, the dominance of public sector undertakings (PSUs), and an over-reliance on slow-moving chargers.

If Uttar Pradesh wants to maintain its EV momentum, it must move beyond a government-led rollout and adopt a balanced, privately driven, district-targeted, and fast-charging-ready strategy. Without this shift, Uttar Pradesh's EV revolution could become a city-centric, slow-moving transition.

According to NITI Aayog's dashboard, IEMI, only the top 10 districts with the most charging stations—Gautam Buddha Nagar (100), Agra (85), Prayagraj (80), Lucknow (71), Gonda (56), Bareilly (52), Lakhimpur Kheri (48), Jaunpur (46), Varanasi (46), and Pratapgarh (45)—account for approximately 30% of all charging stations. Meanwhile, districts in Bundelkhand and Purvanchal, such as Chitrakoot, Mahoba, Lalitpur, and Shravasti, remain underserved, with fewer than 10-15 charging stations.

Uttar Pradesh's charging network is heavily dominated by public sector undertakings. Indian Oil Corporation Limited (IOCL) alone accounts for 51% of all charging stations, followed by HPCL (16%), BPCL (13.9%), and Tata Power (6.2%).

Exide Technologies to Establish BESS Project in Italy

Exide Technologies is expanding its energy storage business in Europe with the signing of a new project agreement in Italy. The lead and lithium producer, whose Italian operations are located in the province of Bergamo, said on August 26 that it has delivered its Solsion Mega Three lithium BESS to a foundry.

Exide said the foundry specializes in structural castings for the machinery and energy sectors – and this project is an important step in expanding its energy storage activities in Southern Europe. This makes BESS ideal for energy-intensive industrial applications such as foundries, manufacturing plants, and heavy-duty processing facilities.

By integrating battery storage, commercial and industrial customers can sustainably manage peak loads, reduce energy costs, and improve energy reliability.

Last January, Exide said it had partnered with Dutch energy giant Vrijopnam for the Solition Mega Three BESS as part of a unique solar energy system for storage and grid management in the Netherlands.

Is lithium becoming a hurdle for the EV segment?

While the future of electric vehicles in India appears bright, challenges also lie ahead. Maruti Suzuki Chairman R.C. Bhargava recently clarified that the biggest threat to the country's electric mobility plans is the heavy dependence on raw material imports. In particular, materials like lithium and rare earth magnets, a large portion of which come from a limited number of supplier countries like China, have become a concern for both investors and auto companies.

China's restrictions on the supply of rare earth magnets are a warning sign because raw material imports are based on a single supplier country, so any arbitrary policy change will directly impact Indian industry. This problem is a major reason why investment in battery manufacturing in India is slow.

Maruti's parent company, Suzuki, in collaboration with Toshiba and Denso, has already begun manufacturing batteries for hybrid vehicles in Gujarat. These batteries require less raw materials, so the risk is limited. But the status of large-scale battery production for fully electric vehicles remains uncertain at present.

UPERC Approves Procurement of 1,500 MW Battery Energy Storage


The Uttar Pradesh Electricity Regulatory Commission (UPERC) has approved the Uttar Pradesh Power Corporation's (UPPCL) application for the procurement of 375 MW/1,500 MWh of standalone battery energy storage system (BESS) capacity. The approval is for a period of 15 years.

The Commission has directed UPPCL and the implementing agency to initiate the tariff adoption process and approve the Battery Energy Storage Purchase Agreement (BESPA) without delay, as the tariff has already been determined through competitive bidding.

UPPCL had sought in-principle approval for the procurement of BESS under the VGF program issued on October 17, 2024, which required bids and signing of the BESPA within nine months.

SJVN acted as the BESS implementing agency and intermediary purchaser under the Central Public Sector Enterprise component of the VGF program. The procurement was made on a "build-own-operate" basis through a tariff-based competitive bidding process for 375 MW/1,500 MWh.

The tariff received was approximately ₹359,000 (~\$4,294.41)/MWh/month, which UPPCL argued was competitive compared to recent bids in other states. Two bidders were selected in the e-reverse auction: Patel Infrastructure for 187.5 MW/750 MWh and Enerica Infra 3 for 187.5 MW/750 MWh.

UPPCL executed a Battery Energy Storage Sales Agreement (BESSA) with SJVN on July 15, 2025. 

Inspiring Thoughts

★ Take everyone with you, but don't be afraid if you ever have to walk alone...

Because a person is always alone in a problem, a crematorium, a peak, and on a throne. If you keep moving forward, new doors will keep opening.

★ There is only a small difference between a mistake and a wrong - intention.

★ Respect in the eyes and decorum in speech are the strongest bonds of any relationship.

Forwarded by **Ajay Gupta**,
AK Auto Agency, Mumbai,
President, Indian Battery
and Accessories Industries
Welfare Association, Mumbai



Lead Smelting Plant: Process, Technology, Equipment, and Recycling

– Gravita India Ltd., Jaipur –

A lead smelting plant is an industrial facility where lead is extracted, refined, or recycled for use in industries such as batteries, cabling, radiation shielding, and alloys. With the growing demand for sustainable energy storage and automotive batteries, these plants are important in both primary metal production and recycling.

What is a lead smelting plant?

A lead smelting plant handles two main types of production:

Primary lead smelting – extracting lead bullion by sintering and smelting ores such as galena (PbS).

Secondary lead smelting – recycling used lead-acid batteries and scrap to obtain metallic lead.

Today, most global production comes from secondary plants, with over 60% of refined lead coming from recycling operations.

Primary Lead Smelting Process

Sintering - Lead ore is mixed with silica, limestone, iron, and fluxes such as coke. Heating removes sulfur and prepares the charge for smelting.

Blast Furnace Smelting - The sinter is fed into a lead blast furnace, where

coke converts lead oxide into molten lead bullion. By-products such as slag, spice, and matte form separate layers.

Refining - Bullion contains impurities that must be removed.

The Parkes process separates silver and gold using zinc.

The Betterton-Croll process separates bismuth from calcium and magnesium.

Bates electrolytic refining produces ultra-high-purity lead for advanced industries.

Secondary Lead Smelting Plant: A Focus on Recycling

A secondary lead smelting plant specializes in processing used batteries, scrap, and residue. The steps are as follows:

Battery Dismantling - Used batteries are collected, dismantled, and separated into lead, plastic, and electrolyte.

Rotary Kiln Smelting - Lead fragments are melted and converted into metallic lead.

Refining and Casting - Impurities are removed, and the molten lead is cast into ingots.

By-Product Recycling - Plastic cans and wrappers are crushed into chips, thoroughly washed, and converted into granules for reuse, and electrolytes are neutralized or converted.

Secondary smelting not only provides lead, but also reduces mining pressure and promotes a circular economy.

Equipment in a Lead Smelting Plant

Sintering machines – for preparing ore for primary smelting. Blast furnaces/ rotary furnaces – the main units for both primary and secondary smelting. Refining kettles – for removing impurities and waste disposal. Pollution control systems – bag filters, scrubbers, and dust collectors to meet emission standards. Casting units – automated machines for ingots and billets. Automation systems – real-time monitoring for efficiency and safety.

Environmental and Safety Standards in a Lead Smelting Plant

Operating a lead smelting plant requires strict adherence to environmental and safety regulations:

Air pollution control – Multi-stage filters prevent dust and sulfur dioxide emissions. Wastewater treatment – Acidic wastewater is neutralized before discharge. Employee safety – Lead exposure monitoring and protective

equipment are mandatory. Compliance – Plants comply with OSHA workplace standards and national environmental guidelines.

Global Distribution of Lead Smelting Plants

Lead smelting facilities are located around the world:

Asia - India and China are leaders in both recycled and ore-based smelting. Europe - Countries like Germany and the UK focus on secondary smelting. North America - The US no longer operates primary smelting plants; secondary plants supply the market. Africa and South America - Emerging facilities process both ores and recycled batteries.

India has become a hub for secondary lead smelting plants, supporting the growing automotive and energy storage sectors with recycled lead.

Applications of Lead from Smelting Plants

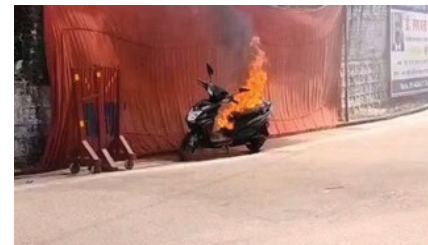
Lead-acid batteries - automotive and industrial energy storage. Cabling and wiring - protective casing for durability and safety. Radiation shielding - hospitals, nuclear facilities, and laboratories. Ammunition and alloys - defense and specialized industrial uses.

Construction materials - soundproofing and protective structures.

For the mansion of life, Self-confidence is the foundation, Self-satisfaction the wall, Self-sacrifice the roof, Self-Realisation is the life.

Electric scooter catches fire in Mauranipur

On the afternoon of September 10th, a teenager's electric scooter caught fire near the fairground in Mauranipur, Jhansi. The scooter burst into flames in no time. Locals and passersby doused the fire with water, but by then the scooter had completely burned. Kanishk Rawat, a resident of Nai Basti, said he had taken his uncle's



electric scooter to the bank to withdraw money. After withdrawing the money, he parked the scooter near the fairground and began drinking water. The scooter suddenly burst into flames. Seeing the burning scooter, the teenager burst into tears and cried for help. Hearing the noise and seeing the burning scooter, people rushed to help. Police also arrived at the scene. The fire was doused with water, but by then the scooter had been reduced to ashes.

A house caught fire while charging an e-scooter

A house caught fire late Saturday night near Parag intersection on Lucknow-Kanpur Road due to a short circuit while charging an electric scooter. Heavy smoke and flames trapped businessman Amit Saxena's wife and son inside.

Amit Saxena lives in a two-story house with his wife and son. Amit had dinner and went to sleep with his family. Around 2 a.m., Amit woke up when he started having trouble breathing due to smoke filling the room. When he got up and went outside, he found his scooter charging, burning fiercely. He tried to extinguish the fire but was unsuccessful. The fire quickly intensified, trapping his wife and son inside. Seeing this, Amit started shouting. Hearing the noise, neighbors gathered to help.

The fire brigade was then alerted. A vehicle from the Sarojini Nagar fire station attempted to extinguish the fire, but seeing the severity, another vehicle was also called from the Alambagh station. Both fire engines managed to control the fire after an hour of effort. Initially, it appears the fire was caused by a short circuit. Two fire brigade teams arrived at the scene and carried out rescue operations. One team pulled out the mother and son trapped inside, while the other team controlled the fire with the help of hose pipes.

[A request to all Entrepreneurs:](#)

Do not Promote Chinese Batteries

– S. Satnam Singh –

Manaktala Smelting Corporation, Malout

It's good that you can compete with batteries manufactured by any lithium battery assembly company on price. But lithium-ion batteries (Chinese batteries) are a complete fraud. Will my country's battery MSME manufacturers be able to manufacture them, or will we continue to pat ourselves on the back by importing from China?

We should focus on Vocal for Local, not help boost China's economy. If we focus on quality, a lithium-ion battery cannot compete with a good lead-acid tubular battery.

I request all of you with folded hands that at least we lead-acid battery manufacturers should not promote Chinese batteries. ☐

An electric scooter on charge exploded, setting off a massive fire in their home

[Elderly couple dies tragically](#)

An electric scooter exploded in Agra, Uttar Pradesh, killing an elderly couple. The scooter was parked at home when the explosion occurred, engulfing the entire house in flames. The elderly couple, who were inside, died in the incident.



The electric scooter was charging in Pramod Agarwal's home in the Jagdishpura police station area of Agra. The scooter was charging as usual, and the family was sleeping peacefully inside. The scooter, which was charging, suddenly exploded early in the morning, and the fire spread throughout the house. A massive fire engulfed the house, trapping 90-year-old Bhagwati Prasad and his 88-year-old wife. The elderly couple were burned to death by the flames. ☐

Uniting Indian Small Scale Battery Industries since 1985 BATTERY DIRECTORY & YEAR BOOK presents **ONLINE**

BATTERY DIRECTORY

NOW YOU CAN SEE LIST OF ALL

MANUFACTURERS

DISTRIBUTORS

EXPORTERS

IMPORTERS

ISO FIRMS

DEALERS

EMAILS

at one
click!!!



Annual

Hard Copy : Rs. 625/-

Online Directory : Rs. 1000/- Both Editions : Rs. 1625/-

You may deposit amount in any of the following account:-

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-110 093
PhonePe / Google Pay / Paytm A/c	CHANDRA MOHAN - Mobile No. 9810268067		

Stay Updated All The Time on
www.onlinebatterydirectory.com



बैटरी डायरेक्टरी एंड ईयर बुक

510, जनता फ्लेट्स, जी.टी.बी. एन्क्लेव, दिल्ली-110093

फोन 011-22593952

मोबाइल: 9810268067

E-mail: battdir@gmail.com

www.batterydirectory.co.in | onlinebatterydirectory.com

Tenders for Battery Industry

SUPPLY OF 110 VOLT, 30 AMP. BATTERY CHARGERS AND 110 VOLT DCDB FOR VARIOUS SUB-STATION UNDER ELECTRICITY TRANSMISSION CIRCLE BANDA.					
Tender Value in ₹	8,95,021	Product Category	Electrical Work/ Equipment		
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	30
Location	Banda	Pincode	210001	Pre Bid Meeting Place	NA
Bid Opening Place	SE ETC Office, 220 KV S/S Tindwari Road, Banda				
Critical Dates					
Published Date	03-Sep-2025 02:00 PM	Bid Opening Date	04-Oct-2025 12:00 PM		
Document Download / Sale Start Date	03-Sep-2025 02:00 PM	Document Download / Sale End Date	03-Oct-2025 03:00 PM		
Bid Submission Start Date	03-Sep-2025 02:00 PM	Bid Submission End Date	03-Oct-2025 03:00 PM		
Tender Inviting Authority					
Name	SE ETC Banda				
Address	SE ETC Office, 220 KV S/S Tindwari Road, Banda				

*For more information on this Tender please visit website:
<https://etender.up.nic.in/nicgep/app>

PROCUREMENT OF 110 VOLT 15 AMP SINGLE PHASE PORTABLE BATTERY CHARGER WITH FILTER CIRCUIT i.e. CHOKE AND CONDENSER AS PER SPECIFICATION BY EXTERNAL AGENCY UNDER ELECTY. TRANSMISSION DIVISION BALLIA.					
Tender Value in ₹	1,22,720	Product Category	Electrical Work/ Equipment		
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	60
Location	Ballia	Pincode	277001	Pre Bid Meeting Place	NA
Critical Dates					
Published Date	17-Sep-2025 09:00 AM	Bid Opening Date	30-Sep-2025 04:00 PM		

Tenders for Battery Industry

Document Download / Sale Start Date	17-Sep-2025 09:00 AM	Document Download / Sale End Date	29-Sep-2025 01:00 PM
Clarification Start Date	17-Sep-2025 09:00 AM	Clarification End Date	29-Sep-2025 01:00 PM
Bid Submission Start Date	17-Sep-2025 09:00 AM	Bid Submission End Date	29-Sep-2025 01:00 PM
Tender Inviting Authority			
Name	Executive Engineer		
Address	ETD Ballia		

*For more information on this Tender please visit website:
<https://etender.up.nic.in/nicgep/app>

Annual Maintenance contract for servicing and major maintenance of all M/s Chhabhi Electricals Pvt. Ltd. make Battery Chargers installed 2x600 MW, SSTPP,MPPGCL,Dongalia.					
Tender Value in ₹	9,50,306	Product Category	Miscellaneous Works		
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	365
Location	O/o Addl. C.E.(P and W)	Pincode	450112	Pre Bid Meeting Place	NA
Critical Dates					
Published Date	19-Sep-2025 04:30 PM	Bid Opening Date	03-Oct-2025 03:30 PM		
Document Download / Sale Start Date	19-Sep-2025 04:30 PM	Document Download / Sale End Date	30-Sep-2025 03:30 PM		
Bid Submission Start Date	19-Sep-2025 04:30 PM	Bid Submission End Date	30-Sep-2025 03:30 PM		
Tender Inviting Authority					
Name	o/o S.E.(Works) SSTPP, MPPGCL, Dongalia				
Address	Shri Singaji Thermal Power Project . MPPGCL.Dongali				

*For more information on this Tender please visit website:
<https://mptenders.gov.in/nicgep/app>

PROVIDING INVERTER, BATTERY AND OTHER ELECTRICAL ACCESSORIES IN PWD REST HOUSE GYARASPUR, NATERAN, BASODA AND KURWAI DIST VIDISHA					
Tender Value in ₹	1,68,140	Product Category	Electrical Works		
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	15
Location	vidisha	Pincode	461001	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	bhopal
Critical Dates					
Published Date	10-Sep-2025 06:30 PM	Bid Opening Date	29-Sep-2025 10:30 AM		
Document Download / Sale Start Date	10-Sep-2025 06:30 PM	Document Download / Sale End Date	26-Sep-2025 05:30 PM		
Bid Submission Start Date	10-Sep-2025 06:30 PM	Bid Submission End Date	26-Sep-2025 05:30 PM		
Tender Inviting Authority					
Name	Executive Engineer				
Address	Executive Engineer PWD (E/M) Division No. 02 Bhopal				

*For more information on this Tender please visit website:
<https://mptenders.gov.in/nicgep/app>

Procurement of various ratings of Battery set with SAN Container against TR-17/2025					
Tender Value in ₹	12,18,64,524	Product Category	Electrical Goods/Equipments		
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	NA
Location	Anywhere in MP	Pincode	482008	Pre Bid Meeting Place	Jabalpur
Pre Bid Meeting Address	Block no. 3 Shakti Bhawan MPPTCL Rampur Jabalpur	Pre Bid Meeting Date	04-Aug-2025 03:30 PM	Bid Opening Place	Jabalpur

Critical Dates			
Published Date	17-Jul-2025 06:50 PM	Bid Opening Date	06-Oct-2025 03:30 PM
Document Download / Sale Start Date	17-Jul-2025 06:55 PM	Document Download / Sale End Date	03-Oct-2025 12:30 PM
Bid Submission Start Date	21-Aug-2025 01:00 PM	Bid Submission End Date	03-Oct-2025 12:30 PM
Tender Inviting Authority			
Name	CE(Procurement)		
Address	Block no. 3 Shakti Bhawan MPPTCL Rampur Jabalpur		

*For more information on this Tender please visit website:
<https://mptenders.gov.in/nicgep/app>

Stay Updated All The Time at
www.onlinebatterydirectory.com

ONLINE BATTERY DIRECTORY

NOW YOU CAN SEE LIST OF ALL -

MANUFACTURERS | DISTRIBUTORS | EXPORTERS | IMPORTERS | ISO FIRMS | DEALERS | EMAILS

Annual - Hard Copy : Rs. 625/- | Online Directory : Rs. 1000/- | Both Editions : Rs. 1625/-
 You may deposit amount in any of the following account:-

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-110 093
PhonePe / Google Pay / Paytm A/c	CHANDRA MOHAN - Mobile No. 9810268067		



Contact:-

BATTERY DIRECTORY & YEAR BOOK

510, Janta Flats , G.T.B. Enclave, DELHI-110 093
 Mob.: +91 9810268067, Shekhar : +91 9910699538
 E-mail : battdir@gmail.com Website : www.batterydirectory.co.in

Exide Invests Rs. 100 crore to promote Lithium-Ion Batteries

Battery manufacturer Exide Industries Ltd. has invested ₹100 crore in its wholly-owned subsidiary, Exide Energy Solutions Limited (EESL), through a rights issue.

The investment was made through the purchase of 2.5 crore equity shares at ₹10 per share at a premium of ₹30 per share on August 20, 2025. With this investment, Exide's total investment in EESL now stands at ₹3,802.23 crore. The company's stake in the subsidiary remains unchanged at 100%.

EESL, incorporated in March 2022, is engaged in the manufacture and sale of lithium-ion battery cells, modules, and packs for India's electric vehicle market and stationary applications. As of March 31, 2025, EESL had a paid-up equity share capital of ₹1,254.21 crore and a net worth of ₹2,738.06 crore. In FY2025, it reported a turnover of ₹116.89 crore and a post-tax loss of ₹209.12 crore.

Exide Industries stated that this new equity investment will support EESL's ongoing greenfield project in Bengaluru, which aims to establish large-scale lithium-ion cell manufacturing capabilities. The company stated that this financing will also help meet the subsidiary's other business expansion needs.

The transaction was completed within a fixed threshold and does not change Exide's 100% ownership in the subsidiary. No additional regulatory approvals were required for the allotment, which was completed on August 20, 2025.

EESL's turnover for the past years was ₹239.14 crore in FY24 and ₹112.05 crore in FY23, reflecting the operations of Exide Energy Pvt Ltd after its merger into the entity. The business operates entirely in India and focuses on advanced chemistry battery cell production, including cylindrical, pouch and prismatic formats, as well as module and pack assembly. □



"The secret of perfect health lies in keeping the mind always cheerful - never worried, never hurried, never borne down by any fear, thought or anxiety."



Nano-Sized Lead Oxide [PbO] for Superior Performance of Lead-Acid Battery

– C.S. Ramanathan –

Battery Consultant, Mobile: 9845049975, Email: ramanathanacs58@gmail.com

Lithium-ion batteries have arrived and will continue to grow. LIBs are a superior product; however, their drawbacks include higher costs, raw material availability, and, most critically, safety concerns, such as fires from runaway temperatures. The price is relative and may decrease over time. We already have LIBs, such as Lithium-Iron-Phosphate (LiFePO₄), or LFP, which do not contain Cobalt or Nickel. Safety is improved. Meanwhile, Sodium-ion batteries are poised for market entry. For SIBs, all raw materials are locally available, abundant and inexpensive. However, they are not yet suitable for niche applications, such as fast electric vehicles. They are ideal for energy storage and in slower vehicles such as trucks, where large bursts of energy are less critical for acceleration.

In this situation, lead-acid batteries face an existential threat. We all agree that lead acid can be improved to meet the competition. The only space available for lead batteries appears to be for starter batteries and energy storage systems. The small VRLA battery used in tools, agricultural sprayers, and other applications is already being replaced by LIBs, which are now meeting market requirements. The forklift batteries require a counterweight for balance, and the lead batteries serve this purpose. However, it may not take very long before other counterweights are used with LFPs and NIB(SIB) or similar technologies as the power source. Currently, the primary drawbacks of LIBs are their higher cost and lower safety.

Research effort of lead-acid Battery stakeholders

Many lead battery stakeholders are conducting targeted research, coordinated by the Consortium of Battery Innovation (CBI) and ILZRO, as well as ILZDA, in our country. While these efforts are commendable, they fail to address the core issues that could restore the lead-acid battery to its former dominant position. Many new technologies, such as EFB as a starter battery instead of the more expensive VRLA, are praiseworthy; however, they are not sufficient to achieve our goal. We need to explore alternative solutions.

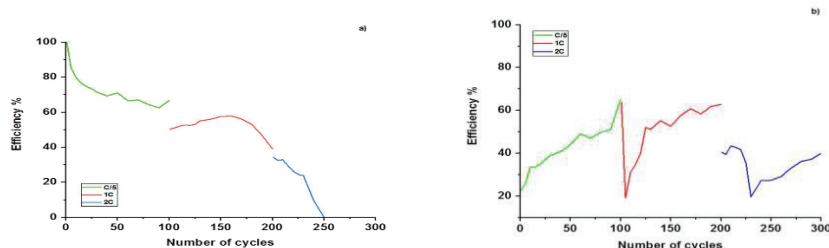
Using Nano Lead Oxide

We need a boost—a quantum Leap in technology. The use of nano lead oxide in paste making marks a significant technological advance. In scientific literature, numerous papers have been published on the use of nano PbO. I have highlighted these activities in the last 2 years at ILZDA and Power-on conferences. They are still only Laboratory efforts.

Scaling up Nano PbO manufacturing

Scaling up to produce large quantities of nano PbO is challenging.

Fig. 1) Comparison of Commercial Auto Batteries and Nano Batteries. IEEE Conference Paper · November 2021. R.L. Oliveri et al. Green: 0.2 C Red: 1C Blue 2C Green: 0.2 C Red: 1 C Blue 2C



However, we can achieve kilo-level production of nano lead oxide using the spray pyrolysis procedure. Western countries will only accept production rates of tonnes per day. However, in our country, many SMEs produce fewer than 50 batteries a day. Production in kilograms is acceptable to them.

Commercial Nano PbO

As you are aware, the Nano size is 1000 times smaller than the conventional ball mill oxide, which has an average size of a few microns (micrometres). The surface area is increased multifold, and so is the number of reaction sites. This results in higher electrical performance and higher material utilisation; higher Ah capacity even at a 2C rate of discharge.

Methods of making nano Lead Oxide -PbO

Among the various methods for producing nano PbO, the spray Pyrolysis procedure is a suitable option. I have sent samples to one ULTRASONIC SPRAY PYROLYSIS equipment manufacturer, who carried out trials in their existing facility. The nano PbO obtained has an average particle size of 60 nanometers (nm). The present effort is to scale it up to a few kilograms a day, e.g., 4 kg per hour, or

80 kg in 20 hours.

The nano battery's superior performance, including cyclability at 1C, yields a significantly better battery. Alternatively, if you prefer, the amount of paste can be reduced by 27 %, resulting in significant cost savings.

The difference in performance is due to the larger surface area and the inherent characteristics of nanomaterials in general. Conventional PbO produced in ball mills yields particles of micron size. Nano PbO is 100-1000 times smaller, and its surface area increases proportionately. This means many more reaction sites are available, which can sustain higher currents or lower currents for longer discharge durations. The material utilisation is higher.

The use of nanoparticles in many other applications is well-known. For example, the pharmaceutical industry makes nanoparticles to improve the effectiveness of medicines. Similarly, Nano PbO exhibits remarkably different characteristics compared to the conventional grey oxide produced by the ball mill. The higher cost of nano PbO is justifiable.

How to make nano PbO?

Two methods are available: the Dry Method and the wet method. In the dry process, the ball mill oxide is ground further to a smaller size. Sovema offers a ball mill yielding an average particle size of one micron. We cannot achieve further size reduction beyond this. A German company (Retsch) grinds it further to a nano size, but the yield is only 10-15 g in 3-4 hours using a laboratory-scale machine. Therefore, the dry method does not meet our requirements.

Wet method of making Nano PbO

Among the various wet methods available, the spray pyrolysis method is chosen for obtaining nanoparticles on a pilot scale.

No Grey oxide or Ball mill is required. Instead, Pure metallic lead ingots are melted and poured into tiny moulds to obtain balls with a diameter of 2-3 mm or the smallest possible size. These balls are then fed into an SS reactor with a 1500 - 2000-litre capacity. An 80-90% acetic acid solution dissolves lead balls in the presence of Oxygen gas or Hydrogen peroxide. Heating is optional, but heating to 60°C results in a faster dissolution rate. Thus, a solution of 40% lead in acetic acid is made. Lead dissolves completely—the addition of Hydrogen peroxide results in faster dissolution.

This 40% solution is pumped into the spray pyrolysis equipment. The rate of flow into the nebuliser is controlled by an inline flow meter or other methods.

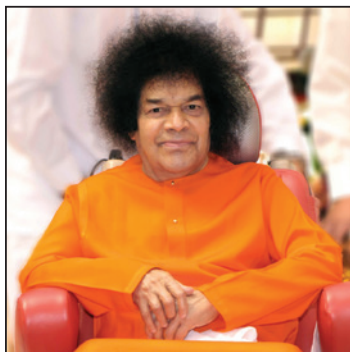
The spray nozzle with small orifices sprays the solution, creating mist or spray.

The spray strikes a very hot surface, evaporating the water and decomposing the acetic group, leaving behind nano-lead oxide as a dry powder. The presence of any unburnt acetic group, if any, can be detected using the Ferric Chloride method. A variant is the use of high-frequency ultrasound to create a fine spray. The flow to the spray pyrolysis equipment is controlled by a precision flow meter. This is the process in brief.

Cost: Calculations show a 20% increase in the price of nano PbO compared to grey oxide

On my request, a manufacturer of ULTRASONIC SPRAY PYROLYSIS MACHINERY carried out a few tests. The tests were conducted at a high frequency and low amplitude of ultrasound. The heating system (pyrolysis) ensured that the water was evaporated and the organic acetate decomposed. The temperature of the furnace, the flow rate and the residence time are controlled to get a nano powder of PbO. The test for acetate was found to be negative (Ferric chloride test)

Paste making, Pasting, and Tubular powder filling



Those who respected their parents became worthy of everyone's respect. Those who did not respect their parents had to bow down to everyone. No one can change this immutable rule.

– Bhagawan Sri Sathya Sai Baba

Flat Plates: Paste mixing will give a lower density. Pasting is like conventional grey oxide. No modification is necessary.

Tubular Plates: Due to the small particle size, powder may be lost through the weave of the Oxide Holder tube during handling. If we use a closer weave, the electrical resistance of the plate will be higher. The remedy is to coat a barrier layer (resin Film), which will be removed during the pickling of the plates. Polyvinyl Alcohol meets our requirements. Discuss with the tube manufacturer. ,

Tables for Comparison of Grey Oxide and Nano-sized PbO.

The three tables shown below provide the quantitative figures for specific parameters.

Tables comparing gray oxide and nanosized PbO. The three tables below provide quantitative data for specific parameters.

Table 1: Comparison of ball mill oxide 70/30 with Nano PbO

	Grey Oxide 70/30	Nano Lead Oxide -PbO
True Density	10.02 g/cm ³	9.5 g/cm ³
Apparent Density	1.3-1.5 g/cm ³	0.5 g/cm ³
Melting Point °C	888 °C/ 327 °C	888 °C
Average Particle size	3-12 µm –micrometre)	30 nm -(Nanometres)
Surface Area	2.3 m ² /g	32 m ² /g

Table 2 : Comparison of Electrical Parameters

	Grey Oxide (Ball Mill)	Nano PbO
Active Material: g/Ah	9 g /Ah	6.3 g /Ah
Discharge duration C20	5 hr.	6.2 hr
Discharge Duration: 1C	drooping curve	Efficiency increases over 100 cycles
Discharge duration 2C	Drooping Curve	Efficiency increases over 100 cycles

Table 3: Comparison of particle size, surface area and Sulphation

Properties	Ball Mill Oxide	Nano-sized PbO
Particle Size	1-10 µm –micrometre)	20-100nm -(Nanometre)
Surface Area	0.5-1 m ² /g	32 m ² /g
PbSO ₄ formed on Discharge.	Slow	Fast
Hard Sulphation Tendency	Yes, high, especially under PSoC conditions	Very Low
Charge Acceptance	Moderate	High
Deep Discharge Recovery	Limited	Good
Cost estimated	₹ 180 / kg	₹ 230 / kg



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.: 011-22593952
Mobile: 9810268067, 9910699538, 9910699535, 9971150801, E-mail: battdir@gmail.com,
Website: www.batterydirectory.co.in, www.onlinebatterydirectory.com

Dt. 1st May 2025

Subject: Advertisement in the BATTERY DIRECTORY Annual & Fortnightly Issues.

Dear Sirs,

Battery Directory's advertising charges have remained the same for the last 4 years, since the year 2020. Due to the huge increase in the cost of paper bill, printing press bill, post office bill and salaries etc. in the last few years, it is not possible to publish the magazine without increasing the advertising rates. **With a slight increase in the advertising rates, Battery Directory's advertising rates will be as follows from 1 May 2025:-**

	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
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
UNION BANK OF INDIA	565101000013133	UBIN0920711
SAVING BANK ACCOUNT OF CHANDRA MOHAN		
ICICI Bank	113301000225	ICIC0001133
UNION BANK OF INDIA	520101018250706	UBIN0920711
PhonePe / Google Pay / Paytm Account	CHANDRA MOHAN - Mobile No. 9810268067 in A/c: 113301000225	

The addresses of 6563 Battery Entrepreneurs/businessmen from India and abroad have been published in the Annual Battery Directory-2025 (page 1616, 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 of the Battery Directory and in the Battery Directory, please contact Anuradha: 9910699535, Chandra Mohan: 9810268067, Shekhar Verma: 9910699538.

Looking forward to serve you.

Yours faithfully,
for Battery Directory & Year Book


(CHANDRA MOHAN)



Special features of Battery Directory-2025

- ✓ 1616 pages in two parts
- ✓ Details of 6563 firms involved in Battery Industry/Trade
- ✓ 2740 Firm's Verified GST Numbers
- ✓ 213 Firm's Verified UDYAM Numbers
- ✓ List of 63 types of industries related to batteries
- ✓ WhatsApp nos. of 3009 firms
- ✓ E-mails of 3165 firms
- ✓ Websites of 1490 firms
- ✓ 1054 changes/amendments in last year's Directory
- ✓ Names of firm owners in bold letters



CHANDRA MOHAN
chandra-mohan@unionbank

Benefits of becoming Subscriber of Battery Directory-2025

By becoming an annual member of Battery Directory & Year Book-2025 (fee Rs. 650/-), you get the following benefits:-

1. One set of Battery Directory-2025 (cost Rs. 650/-) of 1616 pages will be received by registered post.

2. The fortnightly issues of Battery Directory which were till now sent by ordinary post, will be sent by registered post (magazine post) by December-2025. You will receive them within five days of publication.

Online Battery Directory-2025

3. Apart from the hard copy, Battery Directory-2025 is also available online on our website: www.onlinebatterydirectory.com. Its annual fee is Rs. 1000/-. Online directory can be accessed not only by you but also by your associates on their respective mobile/laptop/computer and can take advantage of it.

4. In Online Directory you can access the details of the people you want to find and their advertisements in a few moments using the search tool. This way other people can reach you. Business increases due to this easy access.

5. Your address is printed in bold letters in the Directory, as a result the address gets noticed.

Subscription amount- Rs. 650/- or Rs. 1000/- or Rs. 1650/-

Account to transfer:

BATTERY DIRECTORY AND YEAR BOOK

OD A/c no. 565101000013133,

IFSC Code: UBIN0920711,

Union Bank of India, Nutan Vidya Mandir, Delhi-110093.

You can also transfer money through GooglePay or PhonePe to

Chandra Mohan's account on 9810268067.

Chandra Mohan: 9810268067

Benefits of advertising in Battery Directory

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

✓ Your product will be promoted among battery entrepreneurs of India and abroad.

✓ You will get a set of Battery Directory-2026 (cost Rs. 650/-) free of cost.

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

✓ Your mobile number will be added to Battery Directory WhatsApp group.

✓ You will get fortnightly issues of Battery Directory free of cost throughout the year.

✓ You can send articles, news for publication in the magazine.

✓ Your photo can be published in Battery Directory-2026 under the Batterymen at a Glance column.

✓ Your address will be printed in the directory along with the logo of your brand name, which will result in attracting attention to your address.

✓ The membership fee of Online Battery Directory-2025 & 2026 is Rs. 2000/-, this membership will be given to you free of cost. Not only you but your staff will also be able to view the directory on their mobile/laptop/computer and take advantage of it.

✓ In the online directory, you can easily access the details and advertisements of the people you want to find in a few moments using the search tool. In this way other people can also reach you. Business grows due to this easy access.

✓ In the Online Battery Directory portal www.onlinebatterydirectory.com your advertisement will appear under your city.

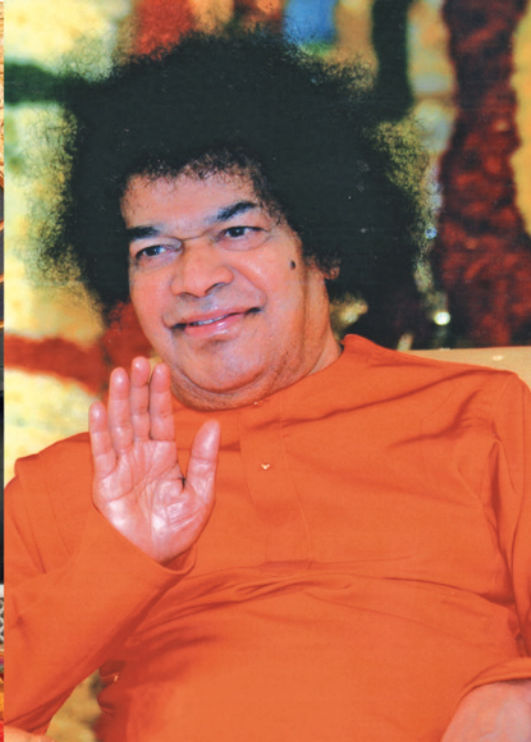
✓ In the online battery directory portal www.onlinebatterydirectory.com your company name will appear under your state, city.

Fee for one colour page advertisement charges (including GST) is Rs. 9450/-

Fee for half colour page advertisement charges (including GST) is Rs. 5250/-

Fee for one b/w page advertisement charges (including GST) is Rs. 5250/-

Chandra Mohan: 9810268067



Spiritual Significance of Loving Service

– Bhagavan Sri Sathya Sai Baba –

Mankind has been engaged in the quest for Truth from the earliest times. Bharath is the birthplace of many sages who explored the realms of the spirit, discovered the highest truths and proclaimed them to the world. In more recent times others have been engaged in pursuing scientific investigations to discover a different set of truths. Whatever the truths discovered by science or spirituality, the ultimate reality is the energy of the atom. All that is perceived or experienced in the manifested Cosmos is the combination of atoms. The five basic elements are made up of atoms. The food you eat, the water you drink, the air you breathe, the sounds you hear are all expressions of atoms.

The Cosmos is made up of atoms. It has taken science a thousand years (of investigation) to discover this truth. But many millennia ago, a young child Prahladha, proclaimed this truth. He told his father,

Do Not Have Any Doubts As To Whether Hari (The Supreme Lord) Is At One Place And Not At Another. Wherever You Search For Him, You Will Find Him.

(Svami recited a poem from the Bhagavatham). Prahladha taught that the Divine permeates the entire universe in the form of atoms. This omnipresence of the Divine was also proclaimed in the Geetha.

See the Divine in all

What pervades the entire universe is a manifestation on of the Divine Energy. To experience this omnipresent energy, certain spiritual processes have been indicated. One of them is to see the Divine in whatever you do, whatever you perceive and whatever you experience.

"Love And Service Represent The Same Truth" (Telugu Saying). For man, love and service are like - two wings with the help of which man should strive to realise the Spirit. The quest for Truth really means discovering one's own inner reality.

This eternal Divine Principle is in one and all. To experience this Divine, one has to develop certain sacred qualities. Morality is a mark of a human being. Truth is the rule. Righteousness is the path. Sacrifice is the glory. These three are the hall-marks of humanity.

Mankind is distinguished by these three qualities. Man today has lost the spirit of sacrifice. Morality has been undermined. There is no concern for truth. He is lost totally in mundane pursuits, forgetting his divinity. The Sai Organizations were set up to make people realise their true divine nature. What is the primary purpose of the Sai Organizations? It is to make the people realise that they are sparks of the Divine and not embodiments of the physical products of Nature. The inherent divinity of man has been clearly proclaimed in the Geetha. This truth is not the opinion of any person, subject to changes.

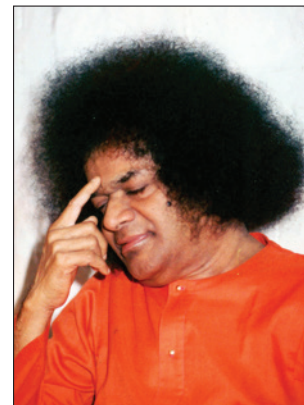
Spiritual value of service

Some of the speakers at the Conference have stated that Svami

is bringing about transformation in individuals. When does transformation take place? After a person has received information. Therefore, the first requisite is to get the information about the presence of the Divine Principle in all. The Sai Organizations have been engaged in propagating this "information." Seva (Service) is the ideal means by which this message can be conveyed.

You should all realise that the human body has been given to you solely to render selfless service. Such service broadens the heart, destroys the ego and generates bliss. Service also helps to promote consciousness of the brotherhood of

man and the Fatherhood of God. Your task does not end there. You have at the same time to propagate the idea of Ekatma-Bhavam (spiritual oneness of all mankind). Mankind has to be led from dualism to non-dualism. Arguments over the existence or non-existence of God are entirely futile and foolish, as Buddha pointed out. According to the minds of different persons, views and beliefs are bound to differ. But irrespective of these controversies, the Truth is one. That Truth is God. Dharma is God. Ahimsa is God. Adhere to these three: Truth, Righteousness and Nonviolence. Follow the path of Truth. There is no greater virtue than truth. The truth you speak must emanate from the heart and should be filled



with love. Where there is love there is truth. Stick to truth in whatever you do. This may not be easy. But through persistence truth will become a natural habit. Act according to the dictates of your conscience and not the promptings of your senses.



Love is the basis for all actions

Make love the basic impulse for all your actions. Share your love with others. Be unselfish.

Self lives by getting and forgetting. Love

lives by giving and forgiving.

Develop confidence in your self. Through self-confidence you can achieve selfrealisation. The Sai Organizations have been enjoined to carry out a programme of ceiling on desires. Everyone should try to control desires as much as possible. The promotion of human values is another item in the programme. These human values are inherent-in every person. All that is needed is, for everyone to manifest them in his daily life. Truth,

Righteousness and Peace are all in you. You are the embodiment of Truth, Peace, Love and God. Recognise this fact. Members of Sai Organizations should cultivate certain desirable practices. For instance, they should regulate their diet, because one's food influences ones thoughts. Smoking and

intoxicating drinks have to be given up. They are ruinous for the health. Meat eating should also be given up because eating animal food promotes animal tendencies. The fourth evil that has to be got rid of is gambling. Those who take to the Spiritual path should avoid as much as possible these four bad practices. It is sinful to slaughter poor animals for one's food. Sai members should follow the motto,

Help ever; Hurt never

There is no meaning in professing to respect human values without observing the rule that you should cause no harm to others in any form whatsoever. God loves those who serve others because He is in all of them. Whomever you may serve, consider it as service to God. Divinise all your actions. Treat every action you perform as God's work.

Love to love; heart to heart

Sai Organizations have not been set up for propaganda purpose. We do not need any publicity. Who invited all of you here? You came out of your love. It is an outpouring of your love for Svami. What is the nature of your relationship? Love to love; heart to heart. It is your love for me and my love for you, which has brought about this enormous gathering here today. You have to bear in mind yet another fact about our Organization. The services rendered by the Seva Dal to maintain cleanliness and security in the Nilayam Campus are beyond praise. They are true sevaks. In our seva organizations there are hundreds of thousands of workers who are rendering service

of various kinds. The office-bearers should not feel that they are apart from the workers. All are workers. No one can consider himself a master. Service can assume any form. What a mother does for her child is service. A husband and wife render mutual service. In this sense all are servants. God is the only Master. All others who call themselves "masters" like post-master, station master, etc. are not masters at all. In rendering service, see that you do it for the satisfaction of your conscience and not to impress others.

Treating service as an offering to the Divine, do it perfectly. Remember that God is watching everyone of your actions. Be your own watchman to scrutinize what you do. When you do everything to satisfy your conscience, you are well on the way to Self-Realisation.

Sadhana of overseas devotees

I am-well aware that our Sai members are doing excellent work. Without boasting about it, we can claim that there are no organizations in the world like the Sathya Sai Seva Organization. The way the sevaks have been serving food and water to lakhs of people is inconceivable elsewhere. Moreover, you have to appreciate the patience shown by overseas devotees. They are used to living in spacious houses with all amenities. Here they have been living in sheds adjusting themselves to the lack of many amenities. That adjustment is an index of their devotion. The adjustment is itself a form of spiritual sadhana. Adjustment is possible when there is understanding. It is because

they cherish the feeling, "Here is our Svami, our God," they are able to adjust themselves. This understanding is also a form of sadhana. Acquire this understanding and then act on that basis. Then you will experience bliss. There is no use merely going on reading books. Practising what you have learnt is more important than filling the mind with book knowledge. In our organization all are well-read persons who are keen to practise what they have learnt. You are all treading the path of Truth. The whole world is one. Respect all faiths alike. The world is like a veena with many strings. When the strings are in harmony, the world will be happy. All should behave fraternally towards each other. There should be no differences on grounds of religion. All worship the same God. No religion preaches hatred. Truth and righteousness are common to all religions. Adhere to them, Observe morality and integrity, in daily life.

Love for Svami is cause for transformation

Today everyone in Prasanthi Nilayam is living as a member of one family. Whatever your language, religion, nationality or custom, you feel as one here. This is great spiritual sadhana. No one brought about this transformation. It was an individual transformation, each by himself or herself. How did they effect this transformation? Out of their love for Svami. That love accounts for this prodigious transformation. In the Sai Organization, because it functions in the work-day world, some regulations have been laid down. Rules and regulations are essential. First of all, whatever resolutions have been passed at this conference, they should be

carried out whole-heartedly. All sorts of conferences are held all over the world. Resolutions are passed. But they are ignored after the conference is over. In the Sai Organizations, this should not happen. Having passed resolution, you must "pass" in it! You would have scored a "pass" only when you implement the resolution.

Therefore, you must carry out the decisions you have taken. That is the meaning of discipline. Discipline grows out of devotion. Devotion stems from duty. Observe the three D's: Discipline, Devotion, Duty. This is true spirituality. In the performance of every duty there should be devotion. There should be devotion and not diversion!

Devotion signifies love. Love for the Divine is the only true love. All other expressions of love are merely attachments of one sort or another.

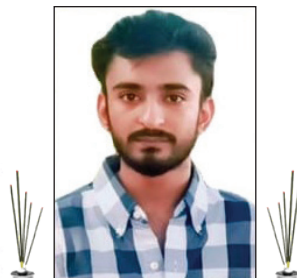
Love is God. Live in love

Start the day with love. Fill the day with love. End the day with love. That is the way to God.

This love should be considered Divine by people of every faith. Manifest your love regardless of how others behave.

Share your bliss with others

Cultivate this love. I am not concerned about the numerical growth of centres or devotees. I want only quality. Increase in quantity should be accompanied by improvement in quality. This is the service you have to render. The bliss which you experience should be shared with



Late Dev Kaushalkumar Patel
24.12.2001 - 02.09.2025

Petco Plast Pvt. Ltd.,
Ahmedabad

Dev Kumar Patel is no more

Dev Kaushalkumar Patel, son of Sh. Kaushal Manubhai Patel of Armac Multi Plast Pvt. Ltd. (formerly Petco Plast Pvt. Ltd.), Ahmedabad, Gujarat, passed away on September 2, 2025. He was only 24 years old.

Armac Multi Plast Pvt. Ltd. is run by Sh. Kaushal Manubhai Patel and Sh. Mitesh Manubhai Patel.

The Battery Directory family expresses its heartfelt condolences on the passing of Sh. Dev Kumar and prays to God to grant him a place in His Lotus feet. □

others. Do not violate the rules of the organizations. Thereby your love will grow. It is that love, which is responsible for your putting up with all inconveniences and discomforts. Develop the spirit of sacrifice. □

Battery Directory & Year Book (Vol.40 No.17)
1-15 September 2025 (Published on 24.09.2025)

ISO 9001:2015 CERTIFIED

CHEMPFIX™

BATTERY PLATE CHEMICALS, ADDITIVES, PRE BLENDED EXPANDERS

FOR AUTOMOTIVE | STATIONARY E-RICKSHAW | TRACTION & VRLA BATTERIES

MANISH ENTERPRISES, Delhi

☎ 91-9312285580

✉ info@manishenterprises.in, 🌐 www.chempflix.com

SWARAJYA

IGBT based Charger with Heaterless Discharger

www.ChargerDischarger.com

Product Range:

IGBT Based Charger / Discharger
Battery Life Cycle Tester
Battery Capacity Tester
Battery Load Tester
Formation Rectifier
Electroplating & Industrial Rectifier

India's Most Advanced Charger Technology

Regenerative Charger / Discharger

IGBT based Technology
Fully Automatic Operation
10 x 10 Easily Programmable Charge, Rest & Discharge Timers.
Constant Current Constant Voltage (CC-CV) Charging
Completely Ripple free pure DC Charging
Regenerative Discharging without Heater
Discharging power used to charge other circuit batteries
Multiple Chargers can be interconnected to share Discharging Power
Save Electricity
Compact Size to save space
Highly Reliable & Low Maintenance



SWARAJYA INDUSTRIES

B-31, DSIIIDC Engineering Complex, Phase-1, Mangolpuri Industrial Area, Delhi-110083

E mail: Charger.Swarajya@gmail.com

Srikant Uppal: 9560409195, 9968008162